COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

This volume directs the aeromedical evacuation (AE) training program for flight nurses (FN) and aeromedical evacuation technicians (AET) and supersedes all other AFIs with respect to training requirements for Aeromedical Evacuation Crewmembers (AECMs). It implements Air Force Policy Directives (AFPD) 10-2, *Readiness*, AFPD 11-2, *Aircraft Rules and Procedures*, and AFPD 11-4, *Aviation Service* and interfaces with: Air Force Instruction (AFI) 11-202, Volume 1, *Aircrew Training;* AFI 11-202, Volume 2, *Aircrew Standardization/Evaluation Program;* AFI 11-401, *Aviation Management;* AFI 41-301, *Worldwide Aeromedical Evacuation System;* AFI 41-307, *Aeromedical Evacuation Patient Considerations and Standards of Care* and AFI 10-2909, *Aeromedical Evacuation Equipment Standards*. In accordance with AF Policy Directive 10-21, *Air Mobility Lead Command Roles and Responsibilities,* Air Mobility Command (AMC) is designated lead command for AE. As lead command, AMC provides evacuation of sick/injured patients, in peacetime and contingency operations, under the supervision of qualified medical crewmembers via fixed wing aircraft. This publication applies to Air Force Reserve Command (AFRC) and Air National Guard (ANG) AE units. ANG is considered a MAJCOM for the purposes of this instruction. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force. AFPD 10-29, *Worldwide Aeromedical Evacuation Operations* states that Air Mobility Command Directorate of Operations (AMC/A3) is the office of primary responsibility for worldwide AE. AMC/A3 is responsible for establishing procedures and guidance for non-clinical aspects of AE and ensures appropriate forces and equipment are organized, trained, and equipped to perform the AE mission to meet global AE requirements. AMC/A3 will ensure AE policy and processes are standardized in all commands. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF IMT 847, *Recommendation for Change of Publication*; route AF IMT 847s from the field through the

appropriate functional's chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, Management of Records, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at **https://www.my.af.mil/afrims/afrims/afrims/rims.cfm**

The Privacy Act of 1974 affects this instruction. Privacy Act System Number F011 AF XO A, Aviation Resource Management System (ARMS) covers required information. The authority for maintenance of the system is Title 37 U.S.C. Section 301a, Incentive Pay, Public Laws 92-204, Section 715, Appropriations Act for 1973, Public Law 93-570, Appropriations Act for 1974, Public Law 93-294, Aviation Career Incentive Act of 1974, and Executive Order 9397, Numbering System for Federal Accounts Relating To Individual Persons, as amended by Executive Order 13478, Amendments to Executive Order 9397 Relating to Federal Agency Use of Social Security Numbers, November 18, 2008."

SUMMARY OF CHANGES

This document is substantially revised and must be completely reviewed. This rewrite incorporates interim change -1 from 2005/2007 respectively. The 31 March 2008 waivered Table 4.3, FN/AET Semi-annual Continuation Flying Requirements, was integrated into this publication. Table 1.2. In-Unit Training Time Limitations, added Basic Aircraft Qualification (BAQ)/Mission Ready (MR) 180 Days. Table 2.1, Initial and Requalification Ground Training Requirements, and Table 2.2, Initial Qualification Flying Training Requirements, was added to Chapter 2, also G930 Aircraft Configurations Hands-On was deleted and added M225 Aircraft Configuration to Table 2.2. Changed definition for Ground Training Level (GTL) for requalification on Table 2.2. Changed 2.3.5., deleted equipment trainer documentation IMT Form 4024. Changed 2.3.6, Aeromedical Evacuation Initial Qualification (AEIQ)/Formal Training Unit (FTU) meets the initial requirement for G932, 934, and 935. Changed 2.3.6.1., Aircraft Training to include Computer Based Training (CBT) certification/Instructor Based Training (IBT) Checklist or appropriate USAF School of Aerospace Medicine (USAFSAM) documentation. Added CBT training can be completed by IBT. Chapter 3 was added and applies primarily to BAQ/Non-Mission Ready (NMR) Flyer. Table 3.1 title was changed from Initial Qualification/Mission Qualification Training Requirements to Mission Qualification Training. Added 3.5.1.1. added M225 Aircraft Configuration. Significant requirement changes/notes were made to Tables 4.1, 4.2, and 4.3. Publication formatting to include Mission Specific Training Event Description Codes was changed to mirror other Mission Design Series Volume 1's. LL04, Aircrew Chemical Defense Training (ACDT) was moved to the Mobility table. Chapter 7 Definitions were revised adding Table 7.1, ARMS Training Event Identifiers and Descriptions. Combat Survival Training (CST), Wartime Level C (S-V80-A) (Initial) and SS32 Water Survival Training (WST) S-V90-A (Initial) were also added to Chapter 7. Deleted G910 Civil Reserve Air Fleet (moved to Quick Response Training) G930 Aircraft Configuration and M060 Theater Indoctrination Training and added G041Unit Mission Briefing Definition to Chapter 7. The Glossary of References and Supporting Information were updated to include Abbreviations, Acronyms and Terms. Figure A2.6 Instructor/Flight Examiner (I/FE) Meeting Minute Example was added as an attachment. Attachment 3-Interim Change 2005-1 was deleted. This is a summary of revisions and not all inclusive.

Chapter 1

GENERAL

1.1. Training Objective. This AFI prescribes basic policy and guidance for training AECMs in United States Air Force military fixed-wing aircraft according to AFI 11-202, Volume 1, *Aircrew Training*.

1.1.1. The overall objective of the aircrew training program is to develop and maintain a high state of mission readiness for immediate and effective employment across the range of military operations in any environment.

1.1.2. The secondary objective is to standardize AECM training requirements into a single document to meet requirements for a basic document, as prescribed in AFPD 11-2, *Aircraft Rules and Procedures*.

1.1.3. If a conflict is identified for a training requirement, notify the Office of Primary Responsibility (OPR) of the conflict and ask for clarification. Pending clarification, comply with the publication with the most current date. (See paragraph **1.3.1**).

1.2. Key Words Explained.

1.2.1. "Will" and "Shall" indicate a mandatory requirement.

1.2.2. "Should" is normally used to indicate a preferred, but not mandatory, method of accomplishment.

1.2.3. "May" indicates an acceptable or suggested means of accomplishment.

1.2.4. "NOTE" indicates operating procedures, techniques, etc., which are considered essential to emphasize.

1.3. Administration.

1.3.1. Recommendation for change. Submit suggested improvements to this instruction on AF Form 847, *Recommendation for Change of Publication*, through MAJCOM channels to HQ AMC/A3T according to AFI 11-215, *Flight Manuals Program (FMP).* Send proposals for amending existing course prerequisites or recommendations to change or delete obsolete courseware through the appropriate MAJCOM training staff to the OPR. The OPR address is HQ AMC/A3T, 402 Scott Drive, Unit 3A1, Scott AFB, IL 62225-5302.

1.3.2. Supplements. This AFI is a basic directive. Each MAJCOM or operations theater may set training requirements more, but not less, restrictive than specified in this instruction when the statement "or as specified in MAJCOM supplement" is indicated as applicable to that item or event. MAJCOM supplements must be coordinated/approved by HQ AMC/A3T and HQ USAF/A3OT IAW AFPD 11-2 and AFI 11-202, Volume 1, before publication.

1.3.2.1. Unit Supplements. Units will supplement this instruction to clarify policies, procedures, and unique mission requirements. Comply with AFI 33-360, *Publications and Forms Management*, guidance regarding publication supplements. Comply with AFPD 11-2, for supplement coordination. All units will coordinate their supplement with HQ AMC/A3TM (AE) prior to publication. Air Reserve Component (ARC) units will coordinate supplements to this AFI through NAF and MAJCOM/A3T (AE) branch for

review prior to submitting to HQ AMC/A3TM. Units will send one copy to HQ AMC/A3T and the parent MAJCOM OPR after publication.

1.4. Responsibilities. AFI 11-202, Volume 1, outlines responsibilities for aircrew training**.**

1.4.1. Lead Command. HQ AMC is designated lead command for AE according to AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities.* Lead command is responsible for establishing and standardizing aircrew flight training requirements in coordination with user commands. HQ AMC/A3 delegates HQ AMC/A3T the authority to manage all aircrew training course requirements and training tasks. AMC/A3T in coordination with user commands, approve continuation training requirements or adjustments, and short-notice specialized in-unit upgrade. AMC/A3T is OPR for this AFI.

1.4.1.1. MAJCOM/A3T, in conjunction with training and user commands, develops and/or approves continuation training and in-unit upgrade courses.

1.4.1.2. Realistic Training Review Board (RTRB). HQ AMC/A3T may host a RTRB biennially, or more frequently, as required. The RTRB reviews all training programs for currency, applicability, compliance, and effectiveness. Attendees should include training representatives from the AE community including: HQ AMC/A3T/A3V/SGP/SGXL, AFRC, ANG, Pacific Air Forces (PACAF), US Air Forces in Europe (USAFE), USAFSAM, curriculum developers, formal schools, and AFRC NAF Standards/Evaluation (Stan/Eval) offices.

1.4.2. Training Command. AMC/A3 is responsible for formal school syllabi and is the approval agency for any changes in coordination with lead and user commands according to AFI 11-202, Volume 1. An identification code will be sent to each squadron's aircrew training section for each FN/AET to use when completing the post course questionnaires prior to the flight evaluation or within six months of return from the FN/AET course. The instructor who conducts the majority of the initial qualification training for an FN/AET will complete the instructor survey prior to the flight evaluation or within six months of the students return from the FN/AET course. AMC/A3 designates AMC/A3T to oversee formal school courses and syllabus management. Formal school course and syllabus are available at the   FTU/AEIQ   Community   of   Practice   (CoP): **https://afkm.wpafb.af.mil/ASPs/CoP/EntryCoP.asp?Filter=OO-SG-RC-22**

1.4.3. User Commands. User commands will evaluate training resources (aircraft and aircrew) necessary to accomplish training requirements and identify known shortfalls to A3 for resolution. This evaluation should be accomplished during the MAF RTRB as a minimum.

1.4.4. Wing Commander. WG/CC will ensure unit/local level agencies and facilities support aircrew ground training programs. Host and/or co-located units will develop local agreements to consolidate aircrew training support base-wide.

1.4.5. Operations Groups.

1.4.5.1. OG/CC (or equivalent) will convene a Training Review Panel (TRP) to be chaired by the   OG/CC or designated representative. Panel members should include representatives from squadron training, tactics, operations, safety and other areas as determined by the commander, i.e. Aircrew Training System (ATS) contractors, Host

Aviation Resource Management (HARM) and Squadron Aviation Resource Management (SARM).

1.4.5.1.1. TRP Requirements. Convene the TRP once per calendar semi-annual period and maintain minutes for a period of two years (commanders may increase this frequency as required). Squadrons and detachments not collocated with their OG may conduct their own panel or provide representation to their OG TRP. Panel minutes from non-collocated squadron and detachment TRPs will be forwarded to their OG training office for inclusion in their OG TRP.

1.4.5.1.2. TRP Format. The TRP should review staff and crewmember management actions necessary to complete squadron flight and ground training programs. Suggested TRP topics include, but are not limited to: current and forecast Ground/Flight Training Levels, (FTL/GTL), upgrade and Continuation Training (CT) status, Semi-annual requirement completion rates, crew position gains/losses, Aircraft Commander (AC), Instructor and Evaluator upgrades. Units should also review all unit defined training "X" events for relevancy.

1.4.6. Squadrons.

1.4.6.1. The Sq/CC, with concurrence of the Director of Operations (DO), Chief Nurse (CN) and Superintendent, assigns an Instructor FN (IH) and an instructor AET (IA) the duties of Officer in Charge (OIC) and Non-commissioned Officer in Charge (NCOIC) of aircrew training at unit level.

1.4.6.2. Before each semi-annual training period assign FTL, GTL, and levels of certification/qualification (evaluator, instructor, etc.) to assigned and attached crewmembers (see Chapter 4). Assign training levels based on experience and Universal AECM qualification. Each AECM will be assigned one FTL and one GTL as part of their crew position by the Sq/CC or representative.

1.4.6.3. Sq/CC (or representative) will ensure formal school post-graduate questionnaires are completed. Each gaining unit may need one or more supervisors to complete the graduate evaluation surveys.

1.4.6.4. Sq/CC will ensure adequate training continuity and supervision of assigned and attached crewmembers. Unit commanders may assign additional requirements based on individual crewmember's experience and proficiency.

1.4.6.5. Upon arrival, Sq/CC or designee will review training and evaluation records of newly assigned or attached crewmembers and those completing formal training, to determine the necessary training required to complete/certify the individual BAQ or MR.

1.4.6.6. Sq/CC will execute unit-level aircrew qualification and Aeromedical Readiness Mission (ARM) programs described in this instruction.

1.4.6.7. Sq/CC is to ensure a designated representative monitors the quality of training being accomplished and identifies any training deficiencies. Advise Sq/CC of additional training demands.

1.4.6.8. Chief Nurse. The CN appoints aeromedical equipment trainers in writing. AE equipment trainers are not required to be flight instructors; however they must be a qualified AECM. The CN must ensure trainers complete the trainer requirements listed in

AFI 36-2201, V3, *Air Force Training Program, On the Job Training Administration*. Equipment trainer selection process will be defined in the unit supplement to this instruction.

1.4.6.9. OIC/NCOIC Aircrew Training.

1.4.6.9.1. Manages the AECM training programs and establishes training objectives for ARMs.

1.4.6.9.2. Appoints a MCC program manager and identify this person in writing. Program manager must be a flight instructor with at least six (6) months experience as an instructor.

1.4.6.9.3. Maintain a current list of trained MCCs. This responsibility may be delegated to the MCC Program Manager.

1.4.7. ATS Contractor. The AECM Aircrew Training System (ATS) contractor is responsible for academic and aircrew training device (ATD) instruction at the formal school or specialized training. This responsibility includes developing, updating and publishing courseware, formal school syllabus, maintain facilities, ATD, etc according to the AECM ATS contract.

1.5. Waiver Authority.

1.5.1. Unless waived by the appropriate authority, do not deviate from the policies and requirements in this instruction. Waiver requests will include supporting rationale, the training start date, a summary of the unit's training plan, and estimated completion date. Report deviations or exceptions without waiver through MAJCOM channels who, in turn, should notify HQ AMC/A3T (AE lead command) for follow-on action, if necessary. Units will maintain copies of all deviations and exceptions (to include after-the-fact waivers) for two years.

1.5.2. Unless specified in this instruction, AMC/A3 or designated representative, MAJCOM/A3, or equivalent level is the designated waiver authority for specific crewmember training requirements in this instruction not governed by AFI 11-202, Volume 1.

1.5.3. When a student is entered into a formal course if available, HQ AETC/A3 designates 19 AF/DO as waiver authority for AETC flying training syllabus and formal school prerequisites. All requests for a syllabus waiver must include supporting rationale. User command training staff should submit prerequisite waiver requests direct to 19 AF/DO. All waivers must be approved before the crewmember departs for formal training. File a copy of all waivers in the trainee's AF Form 4022, *Aircrew Training Folder*, (electronic copy is authorized) and hand-carry a hard copy to formal school course.

1.5.3.1. Formal School Course Prerequisite Waiver. For formal school course prerequisite waiver request, see the appropriate formal course in the Education and Training Course Announcement (ETCA). For upgrade and/or pre-Instructor Course training requirements, send a waiver request to MAJCOM/A3T, who will endorse and forward the waiver request to 19 AF/DO for final approval.

1.5.3.2. Formal School Training Waiver. Until the AE FTU is established, HQ AMC/A3T is designated waiver authority for completion of specific formal school events with the concurrence of the gaining unit's OG/CC.

1.5.3.2.1. Once the AE FTU is established, the owning command is designated waiver authority for completion of specific formal school events with the concurrence of the gaining unit's OG/CC.

1.5.4. In-unit Training Waiver. MAJCOM training staff (or equivalent) is approval/waiver authority for in-unit training in coordination with HQ AMC/A3TM (for ATS support) and AETC/A3Z, if necessary. Before approval, review the appropriate MAJCOM approved in-unit Plan of Instruction (POI) until the release of a standardized syllabus.

1.5.5. Continuation Training Waiver. The OG/CC (or equivalent) is designated waiver authority for ground continuation training requirements as noted in **Table 4.1** and flying continuation training requirements in **Table 4.3** for assigned or attached crewmembers on a case-by-case basis (see paragraph **4.8**). Waivers for training events missed in consecutive training periods will require MAJCOM/A3T approval.

1.5.6. If required for the squadron's designated mission, accomplish events waived or not accomplished at the formal schools, in-unit before assigning MR status.

1.5.7. Waiver Format. If necessary, submit a written request through OG/CC or equivalent in the format at Figure 1.1. to the appropriate MAJCOM OPR. Asterisked (*) items are required for processing. Units will submit waiver requests according to **Table 1.1**. *Note:* For AMC unit waiver requests, use on-line waiver request service on AMC/A3T CoP: **https://private.amc.af.mil/a3/a37t/dot/waivers/userlogin.cfm**

1.5.7.1. For AFRC unit waiver requests use on-line waiver request service on AFRC/A3T web site: **https://wwwmil.a2a3.afrc.af.mil/waivers**/. Place a copy of MAJCOM approved waiver in the individual's training folder. OG/CC or designated unit agency will maintain a permanent record of approved waiver(s). Retain unit file copies through the appropriate Aircrew Standardization/Evaluation Visit (ASEV) cycle according to AFI 11-202, Volume 2, *Aircrew Standardization/Evaluation Program*.

1.5.7.2. For ANG unit waiver request, ANG units will use the waiver request format in Figure 1.1 of this publication. Send the request to NGB/A3O and place a copy of the approved MAJCOM waiver in the individual's training folder. OG/CC or designated unit agency will maintain a permanent record of approved waiver(s). Retain unit file copies through the appropriate Aircrew Standardization/Evaluation Visit (ASEV) cycle according to AFI 11-202, Volume 2.

1.6. Use of Flying Hours.

1.6.1. Structure unit flying training missions to achieve optimum training. Any by-product airlift opportunity resulting from training must not degrade the intended training in any way and will comply with applicable Department of Defense (DOD) Regulation 4515.13-R, *Air Transportation Eligibility,* AFI 11-401, *Aviation Management,* and AFI 11-202 Volume 1. Any use of flying training hours to accomplish other than direct training requirements must be approved by the appropriate NAF commander (NGB/A3 for ANG units).

1.6.1.1. It is essential that all personnel at all levels prevent the misuse of air mobility resources as well as the perception of their misuse.

1.6.2. Training on Operational Missions. Unless specifically prohibited or restricted by weapon system operating procedures or specific theater operations order (OPORD), the OG/CC exercising operational control may approve upgrade, qualification, continuation flight training events on operational missions under the supervision of an instructor of like specialty. Notification will be made to MAJCOM level that is directing the mission. In order to maximize efficient utilization of training resources, AE tasked units will jointly identify and take maximum advantage of opportunities to conduct appropriate continuation training events which may be suited to concurrent operational mission segments. See **3.4.5** or **3.4.5.1**, for basic crew requirements and exceptions. Commanders will ensure that the training will not impact mission effectiveness, or degrade level of care. Passenger-carrying restrictions are found in AFI 11-401 and AFI 11-2AE, Volume 3, *Aeromedical Evacuation (AE) Operations Procedures.*

Figure 1.1. Sample Waiver Request Format.

MEMORANDUM FOR (Waiver Authority)
FROM: (Requester)
SUBJECT: Waiver Request – (Individual), (Type of Waiver)

*1. *Name, grade.*

*2. *Flying organization (assigned or attached).*

*3. *Present qualification (include special qualifications/certifications if appropriate).*

*4. *Total flying time; primary aircraft inventory (PAI) time (include instructor or evaluator time, if applicable).*

*5. *Waiver request specifics e.g., cite requirement and requested deviation.*

*6. *Rationale or justification for waiver request.*

7. Previous attendance at any formal instructor course (include course identifier and graduation date).

8. Training start date.

9. If waiver request for time limit, specify mandatory upgrade or qualification date.

10. Date event last accomplished and normal eligibility period.

11. Remarks (include formal school courseware that is required if the waiver request is approved (e.g. local training).

*12. *Unit point-of-contact (include name, rank, telephone number, and functional address symbol, and Email address).*

(Signature of Requester)

(Title)

Table 1.1. Unit Waivers to AFI 11-2AE, Volume 1.

If waiver is requested by:	Send waiver request to:	Approval or disapproval will be sent to:	With information copies to:
Active Duty AMC Wing or Group	HQ AMC/A3TM	OG/CC	
USAFE Unit	OG/CC to HQ USAFE/A3T	OG/CC	HQ AMC/A3TM

PACAF Unit	OG/CC to HQ PACAF/A3T	OG/CC	HQ AMC/A3TM
AFRC Unit	OG/CC to NAF/A3T to HQ AFRC/A3T	AFRC Unit	HQ AMC/A3TM
ANG Unit	OG/CC to NGB/A3O	ANG Unit	HQ AMC/A3TM

NOTES:

1. OG/CC or AFRC/ANG-equivalent may waive MAJCOM-directed ground and flying continuation training requirements in this regulation for individual crewmembers IAW paragraph **4.8.**

2. MAJCOM/A3T, NGB/A3O or HQ AFRC/A3T are waiver authorities, as appropriate, for the secondary method of training with coordination with AMC/A3TM.

3. For formal training waiver requests, units will submit requests through above MAJCOM channels. MAJCOMs will in turn submit requests to 19 AF/DO for approval.

1.7. In-Unit Training Time Limitations. Crewmembers entered into in-unit training (initial qualification, requalification, instructor, etc.) will complete final training events within time limitations listed in **Table 1.2**. Final training events are listed in **A2.2.7**. Crewmembers entered in an in-unit training program will be dedicated to that program on a full-time basis. In-unit qualification training will begin no later than 45 days (90 days AFRC/ANG) following successful completion of formal school requirements (FN/AET course and SERE) and reporting or attaching to a new duty station or unit. When conducting in-unit qualification training, the commander will relieve students of duties not directly related to training.

1.7.1. Units will notify the appropriate MAJCOM/A3T (AMC AD use AMC/A3T CoP) before the crewmember exceeds upgrade training time limits extension in **Table 1.2**

1.7.1.1. Use the waiver request format specified in **Figure 1.1**, if electronic waiver program is   not available (AMC/AFRC). ANG use waiver format in **Figure 1.1** (See **1.5.9.2**) Include training difficulty, unit corrective action to resolve and prevent recurrence, and estimated completion date.

1.7.1.2. Sq/CC may extend training time up to 60-days. Extensions exceeding 60-days require MAJCOM/A3T approval.

1.7.2. Training Time Start Date:

1.7.2.1. In-unit qualification training begins when the first significant training event (a training event directly contributing to qualification, requalification or upgrade) has begun e.g. GT-1. Units will define local policy in the unit supplement to this AFI. This initiates in-unit training time limitations in **Table 1.2**.

1.7.2.2. All other training (i.e. BAQ-MR) will begin 45-days (90-days ANG/AFRC) after being attached or assigned to the unit. (Specify in MAJCOM supplement) See **Table 1.2**.

Table 1.2. In-Unit Training Time Limitations.

Training	Limit AD	Limit ANG/AFRC	Notes
Initial Qualification/Mission (QUAL/MSN)	120 days	180 days	1
BAQ-MR	180 days	180 days	
Unit Mission Briefing (G041)	45 days	90 days	
Requalification	90 days	180 days	1
Instructor Upgrade	60 days	120 days	1
C-21 Qualification (as applicable)	45 days	90 days	2
NOTES: 1. For individuals on extended DNIF status (pregnancy, physical therapy, etc.) when assigned or attached to a unit, training time limits begin (or continue, if training has already started) once formally removed from DNIF status, see paragraph **1.13.** 2. Required only if applicable to unit mission or deployment.			

1.8. Training Documentation.

1.8.1. Units will use the AF IMT 4324, ARMS Upgrade Worksheet, to update aircrew qualifications in ARMS.

1.8.2. See **Chapter 7** for specific codes. See **Attachment 2** for additional training documentation requirements.

1.8.3. Flight Training Documentation: Units will use the AE Mission Accomplishment Report (AE MAR) to record flight training events found in **Table 4.3**. Computer generated forms such as an AFRC Form 58a, 58b, 58c or 58d, or a MAJCOM approved electronically produced ARMS worksheet may be used to document training in lieu of the AE MAR.

1.8.4. Clinical skills training conducted in flight is documented in the Competency Assessment Folder (CAF) for FNs and the Career Field Education and Training Plan (CFETP) and Air Force Training Record (AFTR) for AETs by the AECMs trainer/certifier utilizing the Mission Accomplishment Report (MAR) as the source document. **NOTE:** AECM's may obtain applicable AFSC specific Readiness Skills Verification Program (RSVP) skill set credit for completion of flying training events. Refer to RSVP proficiency standards checklist for performance/knowledge requirements.

1.9. Flight Examiner Usage. Use flight examiner as instructors for any phase of training to capitalize on their expertise and experience. Units may use flight examiner as instructors for qualification, local upgrade, or corrective-action training. Flight examiners will normally not evaluate personnel they have primarily trained, recommended for upgrade, or who write their effectiveness/performance reports IAW AFI 11-2AEV2, *Aeromedical Evacuation Aircrew Evaluation Criteria.*

1.10. Instructor Training and Supervision Requirements:

1.10.1. All instructors will be MR (wing/group level and below).

1.10.2. When performing crewmember duties, the following personnel will be under direct supervision of an instructor of like specialty.

1.10.2.1. All non-current aircrew members will be supervised.

1.10.2.2. All crewmembers in initial, upgrade, or requalification flying training will be supervised.

1.10.2.3. Any other personnel designated by the Wing, OG, or Sq/CC.

1.10.3. For unqualified and FTL E crewmembers in a primary crew position an instructor should be seated as close as possible to the student during critical phases of flight. For non-current crewmembers, direct supervision is required while performing the non-current event.

1.11. Distribution. Units will establish distribution requirements of this AFI**.**

1.12. Transfer of Aircrews. Before a crewmember will transfer from one unit to another, the gaining unit will review and assess their qualification and currency**.** The gaining unit will contact/inform the AECMs of unit's local procedures. Transfers will be according to AFI 11-401.

1.12.1. A crewmember qualified as a Universal AECM according to AFI 11-202, Volume 2 will be considered qualified throughout the USAF AE Force regardless what model MDS duties are being performed on mission/training. Qualified MR crewmember transferring between units will accomplish unit specific training and any applicable events in which they have lost currency. (See paragraph 3.5 for additional information)

1.13. Aircrew Training While DNIF. Crewmembers whose status is "Duty Not Involving Flying" (DNIF) may log ground training events if the member's physical condition allows it. Consult the flight surgeon initiating AF Form 1042, *Medical Recommendations for Flying or Special Operational Duty*, if the DNIF status includes ground training limitations**.**

1.14. Mission Clinical Coordinator (MCC). A MCC is assigned to each crew during an Aeromedical Readiness Mission (ARM), Operational Training Mission (OTM) and Static Training Mission (STM). MCCs will be a qualified flight instructor or MCC trained AECM. Unit commanders will ensure all MCCs have completed training IAW standardized ARM Training guide located on the HQ AMC/A3TM CoP: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10**.

1.15. Information Management. Aircrew training information is available on various web sites.

1.15.1. HQ AMC/A3T CoP hosts a Mobility Air Force (MAF) electronic database containing each MDS-Specific training event identifiers, course descriptions, OPR, etc. at: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=OO-OP-AM-94**.

1.15.1.1. The HQ AMC/A3TM CoP contains specific information, links and other features covering the overall AE crewmember training program. The CoP is located at: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10**.

1.15.2. Aircraft CBT instructions are posted on the A3TM CoP listed above. CBTs are located on the HQ AMC Advance Distance Learning Service (ADLS) at: **https://amc.csd.disa.mil/kc/login/login.asp?kc_ident=kc0010**.

1.16. Failure to Progress or Complete Training. If student fails to complete the formal course, (USAFSAM FN/AET Course/SERE/FTU/AEIQ), the formal school will send a recommendation of action to the individual's unit. The recommendation will specify if the student should complete in-unit review of weaknesses identified during training at USAFSAM/SERE/FTU/AEIQ and return to the formal school to complete training, or be referred to the AF personnel system for reassignment**.** The student will not start in-unit flight training until successful completion of formal training. Additionally ANG units will follow recall procedures IAW AFI 11-202, Volume 1. A repetitive pattern of failure and/or marginal performance, requires action for removal from training and permanent disqualification from flying status, IAW AFI 11-202, Volume 2, and AFI 36-704, *Discipline and Adverse Actions*.

1.17. Nonrated Aircrew. All AE positions are non-rated aircrew positions identified by an 'X' prefix.

1.17.1. Award FNs AFSC X46F3, IAW Air Force Officer Classification Directory.

1.17.2. The X4N enlisted aircrew AFSC is not tied to Air Force Enlisted Classification Directory (AFECD) for aircrew classification, or skill level upgrade for aircrew qualification. The enlisted aircrew X4N0 AFSC qualification is separate and distinct from aircrew qualification.

1.17.3. When AF Form 8, *Certificate of Aircrew Qualification*, is completed for the applicable flight evaluation, then that crewmember is qualified to perform all duties assigned to that crew qualification regardless of skill level.

1.17.4. "H" designator represents FN and "A" designator represents other non-rated aircrew.

1.17.5. Aircrew instructor qualifications and flight examiner certifications are also separate and distinct from OJT trainer or certifier designation and are reflected in AFSC by use of I prefix (aircrew instructor IH and IA) and E prefix on flight authorizations (aircrew examiner EH and EA).

1.18. Instructor/Flight Examiner (I/FE) Meeting. The OIC of Aircrew Training or designated representative will chair the meeting, prepare an agenda, and document meeting minutes. The I/FE meeting will be coordinated with Stan/Eval. The meeting reviews training issues and trends in written examinations and flight training/evaluations with all assigned I/FEs. Meetings will be held at least quarterly**.**

1.18.1. Sample I/FE Meeting Agenda and Minutes are found in **Figure A2.6**.

Chapter 2

INITIAL QUALIFICATION TRAINING

2.1. General Requirements. AFI 11-202, Volume 1, defines initial qualification training. This training provides the fundamental building blocks to the Universal AECM Qualification training program. Newly qualified AECMs will be able to perform in-flight aircrew duties in the four identified AE MDS' (C-17, C-130, KC-135, and, if applicable, C-21). AECMs qualified in one AE identified MDS are considered universally qualified in all four identified MDS'. This chapter specifies the minimum training requirements for initial qualification, requalification and senior officer qualification**.**

2.1.1. Aircrew qualification. On completion of qualification training, aircrew members will be classified as BAQ. After qualification, aircrew members must comply with Mission Ready Training and Continuation Training Requirements in **Chapter 3** and **Chapter 4** of this publication.

Table 2.1. Initial and Requalification Ground Training Requirements.

Code	Event	Notes
G005	Flight Physical	1,2
G006	Physiological Training	1
G090	Anti-Hijacking	1
G231	Initial CRM Academics	1
G500	Advanced Cardiac Life Support (FN only)	1
G932	AECM C-130 Aircraft Training (CBT)	4,5,6
G934	AECM C-17 Aircraft Training (CBT)	4,5,6
G935	AECM KC-135 Aircraft Training (CBT)	4,5,6
G937	AECM C-21 Aircraft Training (CBT)	4,5,6,7
G940	Cardio Pulmonary Resuscitation (CPR)	1
G950	Medical Equipment Review (hands on)	1
G960	National Registry Emergency Medical Technician-Basic (NREMT-B) (AET only)	1
LL01	Aircrew Flight Equipment Familiarization Training	1
LL03	Emergency Egress Training – Non Ejection Seat	1
LL03A	C-130 Ground Egress (AECM)	3
LL03B	C-17 Ground Egress (AECM)	3
LL03C	KC-135 Ground Egress (AECM)	3
LL03D	C-21 Ground Egress (AECM)	3, 7
LL04	Aircrew Chemical Defense Training (ACDT)	
LL05	Egress Training with ACDE	1
LL06	Aircrew Flight Equipment Training	1
SS01	Local Area Survival	1
SS03	Conduct After Capture (CAC)	1,8
SS20	Combat Survival Training (CST), Wartime Level C S-V80-A (Initial)	1

SS32	Water Survival Training (WST) S-V90-A (Initial)	1
SS34	Medical SERE Training (B3AZYBLMD-000)	1,8

NOTES: Event requirements are defined in Chapter 7.

1. Will be accomplished prior to first flight.

2. Mandatory grounding item; individual will not fly until required training is accomplished. Flight physicals expire on the expiration date indicated on the AF IMT 1042. The required frequency may vary to address waivers and or individual physical limitations (as determined by the Flight Surgeon) but in no case will exceed 455 days.

3. Qualified AECM instructors and non-instructor boom operators and loadmasters may teach emergency egress training for AECM prior to flight or prior to enplaning of patients, provided that the training is "hands-on," covers all requirements of LL03 IAW AFI 11-301V1, *Aircrew Flight Equipment (AFE) Program,* para 5.3.3. and is documented on an AF Form 1522, *ARMS Additional Training Accomplishment Report*. AE personnel will utilize the Aircrew Egress Training Guides available on the HQ AMC/A3TM CoP. These events are not substitutes for unit assigned MDS Egress training (LL03).

Additional Information: AE personnel will maintain currency for their non ejection seat, *unit assigned* aircraft and follow established policy for training and certification by a Flight Equipment Officer, appointed rated officer, or qualified instructor aircrew.

4. Must be accomplished prior to initial or requalification flight evaluation.

5. Aircraft training (CBT/IBT) credit may be given for completion at FN/AET or FTU/AEIQ course as applicable.

6. Initial students will complete the non-refresher CBTs.

7. If applicable to unit mission and if required for deployment.

8. SS20 and SS32 (Events codes for S-V90-A and S-V80-A) can be substituted for Medical SERE (SS34). S-V80-A includes initial SS03, Conduct after Capture training.

2.2. Initial Qualification Training (IQT) Prerequisites. Complete initial qualification prerequisites IAW AFI 11-202, Volume 1, and **Table 2.1** of this instruction.

2.2.1. Initial Qualification Training Prerequisites. All AE unit-assigned or attached personnel must complete a formal survival and resistance course and the designated course for their profession: AET Course or FN Course prior to starting AECM qualification. These courses provide a standardized and fundamental understanding of specialized techniques

necessary for the safe and efficient transportation of patients by air in peacetime and wartime environments, basic life support principles, procedures and equipment, and survival training.

2.2.2. USAFSAM will provide gaining unit with documentation indicating completion of applicable events in **Table 2.1**.

Table 2.2. Initial and Requalification Flying Training Requirements.

Code	Event	Notes
F900	Mission Management Currency Sortie	2,3
M221	Oxygen Systems	
M222	Electrical Systems	
M223	Communication Systems	
M224	Lighting Systems	
M225	Aircraft Configuration	
M311	Rapid Decompression	
M312	Fuselage Fire/Smoke & Fume Elimination	
M313	Emergency Landing/Ditching	
M314	Door Warning Light Illuminated In-Flight	
M331	Cardiac/Respiratory	
M332	Altitude Physiology/Stresses of Flight	
M333	Neurological/Endocrine	
M341	Patient Assessment	
M342	Airway Management	
M343	Musculo-Skeletal Stabilization	
M344	Burn Patient Care Skills	
M345	Psychiatric Emergencies	
M346	Ventilator Set-Up	
M920	Contingency Engines Running Onload or Offload (ERO) Operations	4

Table 2.2 NOTES: Event descriptions are defined in Chapter 7.

1. Initial and requalification students will be placed in Flight Training Level E and complete   these events at least one time during qualification training. Events will be documented on an AE MAR.

2. 60-day AD, 90-day for ANG/AFRC

3. Cannot be credited on Static Training Mission (STM).

4. May use Static Training Mission (STM) with engines running for ERO.

2.3. Initial and Re-Qualification Training Requirements. To complete initial and requalification training, students will accomplish all training events in **Table 2.**1 and **Table 2.2**.

2.3.1. For in-unit qualification training, the unit training office will obtain and use current MAJCOM approved training tools from MAJCOM/A3T.

2.3.2. Ground Training Level (GTL). Initial students will be assigned as GTL 4 during their qualification training. Requalification students will be assigned a GTL at the Sq/CC's discretion.

2.3.3. Instructor to student ratio. For academic ground training requirements there are no restrictions on instructor to student ratios.

2.3.3.1. Any qualified instructor may teach general ground training subjects, (i.e., configuration, systems, etc.).

2.3.3.2. For crew position training on static aircraft/Fuselage Trainer (FuT) or Cargo Compartment Trainer (CCT), a three to one ratio for each crew position can be used (i.e. Three FN students to One FN instructor in the Medical Crew Director (MCD) or FN crew position).

2.3.3.3. Crew position training will be accomplished by like-specialty for FT.

2.3.3.4. Students will be supervised by FI of like specialty during training missions. Instructors will have no more than one student in a crew position.

2.3.3.5. Students awaiting training may fly in the role of simulated patient and log flight time IAW AFI 11- 401.

2.3.4. The training and upgrade folder of individuals undergoing training under this chapter must be reviewed by the instructor prior to each mission briefing for each training period. Areas that were previously identified unsatisfactory or unsafe must be reviewed and corrective measures discussed in detail with the student.

2.3.5. Equipment Training. I/FE and/or equipment trainers appointed by the CN (**1.4.6.8**) will perform medical equipment training. Equipment trainers will brief instructor on student's knowledge and performance. The instructor assigned to oversee all the student's training will complete all required documentation.

2.3.6. Aircraft Training (CBT/IBT) – Successful completion of the FN/AET course at USAFSAM meets the initial requirement for G932 (C-130 Aircraft Training). Successful completion of AEIQ/FTU meets the initial requirement for G932 (C-130), G934 (C-17) and G935 (KC-135) AECM aircraft training completion. G937 (C-21 Aircraft Training) will be completed IAW Table 2.1.

2.3.6.1. Aircraft Training (CBT/IBT) is considered incomplete until CBT certificate, IBT checklist or appropriate USAFSAM documentation is completed. If accomplished by CBT, initial students will complete the non-refresher CBTs. If accomplished by IBT, instructor will use current version of CBT and MAJCOM approved IBT lesson plan for instruction.

2.3.6.2. Aircraft CBT credit can be awarded under a secondary method via an approved hands- on program by MAJCOM/A3T which provides IBT. This training will cover at a minimum the following training objectives: Aircraft emergency signals and announcements, aircraft emergency equipment, egress procedures, aircraft systems, ground operations and aircraft configurations.

2.3.7. Testing**:**   The student will take the open-book, closed-book and Boldface examinations once the instructor has documented the recommendation for testing to be

accomplished on the AF Form 4023, *Aircrew Training Progress Report*. The student must successfully complete the open/closed-book examination prior to initial flight evaluation.

2.4. Flying Training Requirements. Complete flying training requirements for initial qualification and requalification IAW AFI 11-202 Volume 1, this instruction and a MAJCOM approved standardized qualification syllabus. AECMs should receive their flight evaluation on their unit assigned MDS.

2.4.1. Operational Training Mission (OTM), Aeromedical Readiness Mission (ARM), Static Training Mission (STM) or any combination thereof can be utilized for upgrade or to fulfill flight training requirements. *EXCEPTION:* F900 will not be credited on STMs. *Note:* No more than half of the flight training periods (FTP) can be accomplished on STMs.

2.4.2. Initial Flight Training Level (FTL) and Training Event Credit.

2.4.2.1. Initial and requalification training students will be placed in FTL E until they successfully complete their initial or requalification flight evaluation. At that time they become FTL D to gain MR Status.

2.4.2.2. Unit SARM will use **Table 2.1** and **Table 2.2** to track ground and flying training events during Mission Qualification Training (MQT). Mission specific events (M221-M345) accomplished during MQT will be required a minimum of one time during qualification training. The events accomplished can be tracked on the AECMs ITS. This also can be used as a tool for the Flight Instructor (FI).

2.4.2.3. AECMs in qualification training will complete an AE MAR for documentation of the events mentioned above. The current AE MAR can be found on the A3TM AE CoP at: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10**

2.4.2.4. Those flight events accomplished on a satisfactory INIT/QUAL/MSN or RQ QUAL/MSN evaluation may be credited towards the AECMs continuation training requirements for FTL D and establish subsequent due dates for those events.

2.4.2.5. Logging of flying time. Refer to AFI 11-401.

2.5. Requalification Training (RQT). AFI 11-202, specifies RQ training limits and requirements. An aircrew member is unqualified upon expiration of QUAL evaluation or loss of mission currency (F900) exceeding 6 months.

2.5.1. RQT requires Sq/CC directed training and flight evaluation. RQT students will complete Table 2.1 events. Sq/CC directed training will be documented in the AF Form 4022.

2.5.2. Unqualified less than 8 years: In-unit RQT training can be accomplished following the standardized training syllabus (use MAJCOM approved in-unit plan of instruction until release of standardized syllabus). In-unit RQT will apply until the AE FTU is established.

2.5.3. Unqualified over 8 years. Complete the appropriate ETCA 36-2223 formal initial qualification course as described on ETCA website: **https://ETCA.randolph.af.mil.** Not applicable to AECMs until a FTU is operational.

2.5.4. Basic and instructor requalification training can be conducted simultaneously on a case-by-case basis. Initiate a waiver request (see paragraph **1.5**) and include proposed training events to regain instructor status. When used, the unit will compare requalification

syllabus and instructor syllabus and provide a recommendation of training events in the request to include an instructor evaluation.

2.6. Senior Officer Qualification and Performance Requirements. AE commanders who are FNs and not filling a mobility position have the option to maintain MR status but must maintain BAQ requirements IAW 11-202 Volume 1.

Chapter 3

MISSION QUALIFICATION TRAINING

3.1. Description. This chapter establishes minimum criteria and training requirements for BAQ and requalification AECM's to obtain Mission Ready status.

Table 3.1. AECM Mission Ready Training Requirements.

Code	Event	Notes
C040	Mobility Records Review	1
G010	Chemical, Biological, Radiological, Nuclear and High-Yield Explosive (CBRNE) Defense Training.	2
G041	Unit Mission Brief	3
G070	Aircrew Intelligence Training	2
G100	Law of Armed Conflict (LOAC)	2
G120	Isolated Personnel Report (ISOPREP) (review)	2
LL04	Aircrew Chemical Defense Training (ACDT)	
LL05	Egress with ACDE	2
P280	ACDTQT	2,4

Table 3.1 NOTES*:* Event requirements are defined in Chapter 7.

1. Units will determine frequency in local supplement**.**

2. Individuals will complete this event within 180 days of initial or requalification or a mission requiring this event.
3. Mission-ready crewmembers transferring between flying units require this event.

4. May be accomplished on the ground or in-flight (Dual credit LL05 and P280)

3.2. Time Periods for Initial Qualification/Requalification. Refer to **Table 1.2**

3.3. Ground Training Requirements. AECMs that have completed initial and requalification requirements will complete the events in **Table 3.1** to become MR.

3.3.1. Ground Training events accomplished during initial qualification establish due dates for subsequent continuation training. Completion of SERE Training will establish due dates (based on date first completing course) for recurring SS02, SS03 and SS05.

3.4. Flying Training Requirements. This section defines the minimum criteria when participating in an aerial event associated with AE Training.

3.4.1. Flight training requirements from **Table 4.3** can be accomplished on training missions, operational missions (IAW paragraph **1.6.2**) or static aircraft training missions (STM). Reference AMC/A3T ARM Training guide on the A3TM AE CoP located at: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10** under pre-mission requirements for appropriate contents of a mission folder required for training. *EXCEPTION:* F900 cannot be credited on a STM.

3.4.1.1. During operational missions AECMs in a crew position or augmenting for patient acuity (per CN only), are authorized credit toward a Mission Management Currency Sortie (F900) provided a minimum of four phases of flight are completed. Refer to AFI 11-401 for guidance on logging time.

3.4.2. Operational Training Mission (OTM) A scheduled operational mission leg on which no patients have been manifested for airlift. AECMs may utilize up to 4 hours to complete continuation training requirements from Table 4.3.

3.4.2.1. A basic crew complement of two FNs and three AETs is required.

3.4.2.2. A MCC is also required for an OTM to facilitate the execution of scenarios, provide instructional guidance on medical interventions, aircraft emergencies and document observations of crewmember performance. *EXCEPTION:* Prior to conducting training on an operational mission, one AECM will assume a patient role and one MCC trained AECM will assume the MCC role; thereby decreasing the crew compliment for training to one FN and two AETs. One additional simulated litter patient will be required to complete the training. *Note:* If a MCC trained AECM is not available, training is not authorized.

3.4.3. Aeromedical Readiness Mission (ARM). Aeromedical readiness missions are designed to provide training in in-flight medical care and application of medical equipment to simulated patients to prepare AECMs for the movement of casualties.

3.4.3.1. An ARM will not be scheduled for less than two hours of actual flight time to provide for quality training. If maintenance or weather precludes the completion of training, credit may be granted for the training events accomplished.

3.4.3.2. An ARM scheduled to fly 4 hours or more should be divided into multiple segments of at least two hours to maximize use of flying hours to complete continuation training events for all AECMs participating in the mission.

3.4.3.3. ARM missions will only be conducted on C-17, C-130, and KC-135 airframes.

3.4.4. Static Training Mission (STM). STM may be accomplished in a static aircraft, Fuselage Trainer (FuT) or Cargo Compartment Trainer (CCT) to complete continuation training events when a flight has been cancelled or the aircraft is unavailable for flight.

3.4.4.1. A static training mission should be scheduled for no less than two hours to accomplish continuation training events found in **Table 4.3**.

3.4.5. Aircrew Ratio (ACR) and Aircrew Composition. On a scheduled OTM, ARM, or STM, a basic crew complement of two FNs and three AETs is required. A MCC is also required for any mission where training is performed, to facilitate the execution of scenarios, provide instructional guidance on medical interventions, aircraft emergencies and document observations of crewmember performance.

3.4.5.1. ARM Training Exception. Within 24 hours prior to conducting training on a scheduled ARM, if less than the basic crew compliment and MCC are available, the basic crew complement may be modified by the DO to avoid mission cancellation. Minimum crew compliment is one FN and two AETs with a trained MCC. Simulated patients will be mannequins. This exception is based on last minute changes to an ARM scheduled with a basic crew complement and MCC. If a MCC trained AECM is not available or the minimum crew compliment cannot be filled, the ARM will be cancelled. The AE Unit Scheduler or designated representative will notify the OG/CC or designated representative of the exception to crew complement. Notify MAJCOM of the exception within 48 hours post mission. Document crew changes in remarks section of AFTO 781, *ARMS Aircrew/Mission Flight Data Document*.

3.4.5.2. Contingency Exercise Training Mission (CETM). A training mission conducted during a Wing/MAJCOM/A3D sponsored exercise (e.g. JRTC, AECOT, RODEO or IG Inspections). Crew compliment will be IAW AFI 11-2AE, Volume 3 and based on scenario requirements. All crewmembers will be current and qualified. Upgrade training/evaluations are prohibited on CETM flights. A trained MCC is not required for the mission. AECMs may also take credit for specific events identified **Table 4.3**. A CETM mission has no required flight time.

3.4.6. AE Equipment. An AE crew scheduled to fly an ARM or STM are required to carry operational AE In-Flight Kits and PMI Equipment, this includes a ventilator. NOTE: For an ARM, controlled medications are optional at the discretion of the Sq/CC.

3.4.7. AE Mission Training. The minimum training standard for an ARM, OTM or STM will include one enplaning or one deplaning session with occupied or weighted litters (may be manikin or live simulated patients), coupled with training scenarios that meet the objective of at least one simulated aircraft emergency, and at least one simulated medical emergency. At least two litter patients will be simulated for mission requirements. Consult AMC/A3T Aeromedical Readiness Mission (ARM) Training Guide for additional guidance.

3.4.8. Tandem Training Missions (TTM). AECMs on an Aeromedical Readiness Mission (ARM) are authorized to conduct simultaneous (tandem) training on the same aircraft utilizing no more than two basic AE crews to meet flight currency requirements. AECMs in primary crew positions will log primary time when performing in-flight duties. Example: Two basic AE crews conducting separate in-flight training using separate in-flight kits, medical equipment, mission documentation and led by (2) separate MCCs. Training of tandem crews will be noted on AFTO 781. A lead crew will be identified to the flight crew prior to take off for CRM purposes. (Ref AFI 11-401)

3.5. Unit Assigned MDS Training Requirements. Conversion training is normally associated with a unit conversion to another MDS. Unit conversions to the universal qualification aircraft listed in **Chapter 2** require LL01, LL03 and LL05 prior to first flight.

3.5.1. Units must receive MAJCOM/A3 (or equivalent) approval prior to unit-assigned MDS change. After final approval, publish a unit letter to identify initial cadre of instructor and flight instructors by crew position.

3.6. Minimum C-21 Training Requirements. AECM's that require C-21 qualification will, at a minimum, complete the following MDS specific training listed below. Further training requirements will be defined in the unit supplement.

3.6.1. LL03D C-21 Ground Egress

3.6.2. G937 AECM C-21 Aircraft CBT

3.6.3. LL01 Aircrew Flight Equipment Familiarization training

3.6.4. LL05 Egress training with ACDE (if required for deployment)

3.6.5. M221, M222, M223, M224 and M225 Aircraft Systems (hands - on review)

3.6.6. Training time start date is 45 days (90-days ARC) after being attached or assigned to the unit.

Chapter 4

CONTINUATION TRAINING

4.1. Description. This chapter establishes the minimum flying and related ground training requirements to maintain currency. The unit commander will ensure each crewmember receives sufficient continuation training to maintain individual proficiency**.**

Table 4.1. AECM Ground Continuation Training Requirements.

(Failure to Accomplish = NMR except if note 5 applies)						
CODE	Event	GTL1	GTL2	GTL3	GTL4	Notes
G005	Flight Physical	455d	455d	455d	455d	1,2,
G006	Physiological Training	QQ	QQ	QQ	QQ	1,2,3
G070	Aircrew Intelligence Training	A	A	A		4
G090	Anti-hijacking	T	T	T	T	4
G230	CRM Refresher	A	A	A	A	4,5
G500	ACLS	24M	24M	24M	24M	1,6
G932	AECM C-130 Aircraft Training	17M	17M	17M	17M	4,7
G934	AECM C-17 Aircraft Training	17M	17M	17M	17M	4,7
G935	AECM KC-135 Aircraft Training	17M	17M	17M	17M	4,7
G937	AECM C-21 Aircraft Training	17M	17M	17M	17M	4,7,8
G940	CPR	24M	24M	24M	24M	1
G950	Medical Equipment Review (hands-on)	12M	12M	12M		5
G960	NREMT-B	24M	24M	24M	24M	1,9
LL03	Emergency Egress Training – Non Ejection Seat (unit assigned)	T	T	T	T	1,10
LL06	Aircrew Flight Equipment Training	T	T	T	T	5,11
SS02	Combat Survival Training (CST)	36M	36M	36M		5,11
SS03	Conduct After Capture (CAC)	36M	36M	36M		
SS05	Water Survival Training (WST)	36M	36M	36M		5,11
Table 4.1 NOTES: Key: A – Annual, M-Months, T-Triennial, d-Days, QQ-5 Years. Event requirements are defined in Chapter 7. 1. Mandatory grounding item; individual will not fly until required training is accomplished. Flight physicals expire on the expiration date indicated on the AF IMT 1042. The required frequency may vary to address waivers and or individual physical limitations (as determined by the Flight						

Surgeon) but in no case will exceed 455 days.

2. Flight Physical (G005), Physiological Training (G006), are tracked on top of each crewmember's ITS. These events will not be tracked in the training module of ARMS.

3. Currency expires five years after the last day of the month in which accomplished.

4. The OG/CC or equivalent is the waiver authority for this event.

5. The AFRC quarterly CRM is logged in ARMS with the following schedule: 4-events per year, Semi-Annual currency.

6. Mandatory for FNs only.

7. Do not complete CBT for unit assigned airframe. Refresher CBTs/IBT will be utilized for recurring events if available. Initial students will complete the non-refresher CBTs.

8. If applicable to the mission and if required for deployment

9. Mandatory for AETs only. See 4NOX1 CFETP/AFTR for requirement.

10. LL03 for unit assigned MDS Ground Egress (AECM) event.

11. LL06 should be accomplished in conjunction with SS02, LL03, or SS05. See **Chapter 7**.

4.2. Aircrew Status. AE crewmembers are assigned to MR, NMR or BAQ status**.**

4.2.1. Mission Ready (MR). For Status of Resources and Training System (SORTS), operational tasking, and deployments, a MR crewmember is defined as one who is available, current and qualified (completed qualification/mission training for the applicable crew position).

4.2.2. Non-Mission Ready (NMR). A crewmember that is unqualified, non-current or incomplete in required continuation training. See paragraph **4.8.1** for specific guidance on crewmembers who are non-current or incomplete in required continuation training.

4.2.2.1. If a crewmember is NMR for failure to complete any required continuation training, the Sq/CC will place the crewmember in supervised status and have the AECM complete training as soon as possible or request a waiver from the OG/CC for required training events IAW Table 4.1 in accordance with paragraph **1.5.2.1** If a waiver is granted the AECM remains on MR status. AECMs failing to complete non-waivered NMR events will be placed in supervised status.

4.2.2.2. AECMs NMR for failure to maintain continuation flying requirements (**Table 4.3**) will be placed in supervised status for the deficient training events. The individual must fly with an instructor of like specialty until required training is accomplished. The crewmember cannot deploy until the required training is completed.

4.2.2.3. Failure to complete ground continuation training requirements (**Table 4.1**.) prohibits an individual from flying outside of the CONUS or accomplishing unsupervised in-flight duties until the required training is completed or waived IAW **Table 4.1**, Note 8.

The crewmember cannot deploy OCONUS until all continuation training is completed. OCONUS MAJCOMs may allow individuals to fly local, routine, and non-contingency mission in their respective theater as specified in MAJCOM supplement.

4.2.3. Basic Mission Capable (BMC). Does not apply to AE personnel.

4.2.4. Basic Aircraft Qualification (BAQ). A crewmember that has satisfactorily completed initial or requalification training in any universal designated MDS and is qualified to perform aircrew duties.

4.2.5. MR and BAQ crewmembers must accomplish and/or maintain the requirements in AFI 11-202 Volume 1 (for their respective status) and the appropriate events in the ground and semi-annual flying continuation tables in this chapter**.**

4.3. Training Levels.

4.3.1. The Sq/CC assigns crewmember training levels (TL) see paragraph **1.4.6.2**. Each AECM will be assigned one FTL and one GTL based on the guidance below.

4.3.1.1. NMR crewmembers assigned to MAJCOM Headquarters, Tanker Airlift Control Center (TACC), Numbered Air Force (NAF), USAF Expeditionary Center (USAFEC), Contingency Response Group (CRG), Air Mobility Operations Group (AMOG) and USAFSAM are categorized as FTL E and GTL 4.

4.3.2. Flying Training Levels (FTL).

4.3.2.1. FTL "A"– Highly Experienced Crewmembers. This may include MR HQ AF, MAJCOM, TACC and NAF (AFRC) personnel; formal schoolhouse instructors; AMWC instructors; wing, operations group, and squadron commanders; operations officers, personnel assigned to OG examiner positions; and any instructors assigned primarily to staff duties. Sq/CC's have the discretion to assign highly experienced MR unit crewmembers to this level.

4.3.2.2. FTL "B"– Experienced, MR Crewmember.

4.3.2.3. FTL "C"– MR Crewmember.

4.3.2.4. FTL "D"– BAQ Crewmember. Primarily for individuals pursuing MR status after initial qualification training.

4.3.2.5. FTL "E"–– BAQ non-instructor staff in initial or requalification training. May include senior officers, MAJCOM, NAF, AMOS and TACC staff who are not maintaining MR or instructor status. FTL E requirements are insufficient for MR status, and crewmembers assigned to this FTL will fly with an instructor of like specialty at all times. Initial and Requalification students will be assigned FTL E.

4.3.3. Ground Training Levels (GTL).

4.3.3.1. GTL "1" - Highly experienced crewmembers with 10 or more years as a qualified AECM.

4.3.3.2. GTL "2" - Experienced crewmembers with between 5 and 10 years as a qualified AECM.

4.3.3.3. GTL "3" – Inexperienced crewmembers with less than 5 years as a qualified AECM.

4.3.3.4. GTL "4" - NMR senior officers and staff officers, and crewmembers who are not required to maintain MR status. This may also include students in initial or requalification training.

4.3.4. Changes of FTL or GTL.

4.3.4.1. During in-unit initial and requalification training students are categorized in ARMS as FTL E (fly with like specialty at all times) until successful completion of their flight evaluation. After completion of their flight evaluation they will be categorized as FTL C if all requirements for MR status (**Table 3.1**) have been met.

4.3.4.2. Upon successful completion of a formal course qualification program (FTU) the BAQ AECM will be categorized as FTL D until MR training requirements (**Table 3.1**) are completed.

4.3.4.3. Once the semi-annual period begins, do not move a MR crewmember to a level requiring fewer events except upon completion of instructor upgrade. Prorate events at the end of the training periods.

4.4. Training Events/Tables. Standardized ARMS training event identifiers and descriptions are in **Chapter 7**. Designate Unit Defined Events (UDE) as "X" event (i.e. X020).

4.4.1. Crediting Event Accomplishment. Credit required events accomplished on an ARM, OTM and STM missions. Those flight events accomplished on a satisfactory qualification/mission or requalification evaluation may be credited towards the individual's currency requirements and establishes a subsequent due date.

4.4.2. For an unsatisfactory flight evaluation, do not credit continuation training requirements for those events graded Q-3 until requalified.

4.4.3. Crewmembers performing extended alert duty (more than 72-hours) may accomplish ground training that does not degrade required response time or mission accomplishment. Specify requirements and/or restriction in MAJCOM supplement.

4.5. Continuation Training Requirements.

4.5.1. Ground Training Events. Crewmembers will comply with requirements of **Table 4.1** See Chapter 7 for event descriptions.

4.5.1.1. Crewmembers attached to units (i.e. MAJCOM, NAF (AFRC), AMWC, etc.) may accomplish ground training events at locations other than their unit of attachment. The crewmember is responsible for reporting accomplished training events to their unit of attachment (ARMS office).

4.5.1.2. All training events will be recorded in ARMS. Input all one-time events and events required for Permanent Change-of-Station (PCS) in the ARMS database.

4.5.1.3. Aircraft Training (CBT/IBT) – will be completed for continuation per **Table 4.1** CBT/IBTs will be completed on a 17 month cycle to refresh aircraft specific training. AECMs may choose to align completion of the CBT/IBTs in preparation for their open-book test requisite.

4.5.2. Flying Continuation Training Requirements.

4.5.2.1. As a minimum, senior officer AECMs will maintain FTL D. Senior officers on MR status will comply with Table 4.3.

Table 4.2. Aircrew Mobility Training Requirements.

(Failure to Accomplish = Restrictions May Apply Except if Note 5 Applies)			
CODE	Event	Frequency	Notes
E035	Passport 5 year	QQ	1
E032	Passport 2 year	B	1
G003	Government and Flight line Drivers License	A/R	2
G007	Flight Records Review	A	
G120	ISOPREP Review	180D	3
G280	Small Arms Training (M-9)	24M	4
LL03A	C-130 Ground Egress (AECM)	17M	5,6,8
LL03B	C-17 Ground Egress (AECM)	17M	5,6,8
LL03C	KC-135 Ground Egress (AECM)	17M	5,6,8
LL03D	C-21 Ground Egress (AECM)	17M	5,6,7,8
LL04	Aircrew Chemical Defense Training (ACDT)	B	7
SS07	Contingency SERE Indoctrination (CSI)	A/R	

NOTES: Key: A-Annual, B-Biennial, QQ-5 Years, D-due in listed number of days, M-due in listed number of months, A/R as required by Theater. Event descriptions and requirements are listed in **Chapter 7**.

1. Due date should be 3 months prior to passport expiration to prevent passport from expiring.

2. Number of drivers determined by Sq/CC or designated representative.

3. Review of ISOPREP within 90 days prior to AEF/contingency deployment is mandatory.

4. AE crewmembers will maintain qualification for operational requirements IAW AFI 36-2226, *Combat Arms Program*.

5. Qualified AECM instructors and non-instructor boom operators and loadmasters may teach emergency egress training for AECMs prior to flight or prior to enplaning of patients, provided that the training is "hands-on," covers all requirements of LL03 IAW AFI 11-301 Volume 1, and is documented on an AF Form 1522. AE personnel will utilize the Aircrew Egress Training Guides available on the HQ AMC/A3TM CoP. These events are not substitutes for unit assigned MDS Egress training (LL03).

Additional Information: AE personnel will maintain currency for their non ejection seat, *unit assigned* aircraft and follow established policy for training and certification by a Flight Equipment Officer, appointed rated officer, or qualified instructor aircrew.

6. The OG/CC or equivalent is the waiver authority for this event.

7. If applicable to unit mission and required for deployment.

8. LL03 for non-unit assigned MDS Ground Egress (AECM) event.

Table 4.3. FN/AET Semi-annual Continuation Flying Requirements.

Code	Events	FN Flight Level						AET Flight Level						Notes
		A	B	C	D	E	CUR	A	B	C	D	E	CUR	
F900	Mission Management Sortie						60 D						60 D	1,2,3, 4
M221	Oxygen Systems	1	1	2	2	1		1	1	2	2	1		1
M222	Electrical Systems	1	1	2	2	1		1	1	2	2	1		1
M223	Communication Systems	1	1	1	1	1		A	A	A	A	A		1
M224	Lighting Systems	1	1	2	2	1		1	1	2	2	1		1
M225	Aircraft Configurations	A	A	A	A	A		A	A	A	A	A		
M311	Rapid Decompression	1	1	2	2	1		1	1	2	2	1		1
M312	Fuselage Fire/Smoke & Fumes Elimination	1	1	2	2	1		1	1	2	2	1		1
M313	Emergency Landing/Ditching	1	1	2	2	1		1	1	2	2	1		1
M314	Door Warning Light Illuminated In-flight	1	1	2	2	1		1	1	2	2	1		1
M331	Cardiac/Respiratory	1	1	1	1	1		1	1	1	1	1		5
M332	Altitude Physiology/Stresses of Flight	1	1	1	1	1		1	1	1	1	1		5
M333	Neurological /Endocrine	1	1	1	1	1		1	1	1	1	1		5
M341	Patient Assessment	1	1	1	1	1		1	1	1	1	1		5
M342	Airway Management	1	1	1	1	1		1	1	1	1	1		5
M343	Musculo-Skeletal Stabilization	1	1	1	1	1		1	1	1	1	1		5
M344	Burn Patient Care Skills	1	1	1	1	1		1	1	1	1	1		5
M345	Psychiatric Emergencies	1	1	1	1	1		1	1	1	1	1		5
M346	Ventilator Set-up	A	A	A	A	A		A	A	A	A	A		5
M920	Contingency Engines Running On or Offload (ERO) Operations	A	A	A	A	A		A	A	A	A	A		6
P280	Aircrew Chemical Defense Task Qualification Training (ACDTQT)	T	B	A	A			T	B	A	A			7

NOTES: Key: A – Annual, D – due in listed number of days; T-Triennial-Training accomplished once every 3-years. B-Biennial-Training accomplished once every 2-years, 1– accomplished once every semi-annual period; 2 – accomplish twice every semi-annual period. Event requirements are defined in Chapter 7.

1. Must be accomplished by any primary crewmember (to include FI and FE) or MCC. MCC can credit events twice in a semi-annual period.
2. Requirement cannot be waived at local level. See Para. **4.7.1.1.**
3. 90 day requirement for ARC.
4. Cannot be credited on a STM
5. May be accomplished by any AECM who is actively involved in the training scenario (including the Simulated Patient if current in F900).
6. Event can be credited for applicable exercises, (i.e. JRTC, AECOT, IG Inspection, CETM flight) or while deployed to a flying assignment.
7. May be accomplished on the ground or in-flight. Dual credit with LL05.

4.6. Ancillary Training. Ancillary Training is guidance or instruction that contributes to mission accomplishment, but is separate from an Air Force Specialty or occupational series. In accordance with AFI 11-202 Vol 1, AMC no longer controls the frequency for ancillary training events. Information for these events can be found at: **https://etca.randolph.af.mil**.

4.7. Proration of Training. AFI 11-202 Volume 1 describes proration of training requirements for crewmembers not available for flying duties. In addition, prorate training for non-availability due to contingency alerts and contingency flying TDYs when the contingency precludes training for certain mission events. This authority must be used judiciously, especially when prorating the same crewmember for consecutive semi-annual training periods.

4.7.1. Use this formula to determine training requirements: (e.g., FTL C AET in need of M221 was available 136 days. Take 5 (months available per Table 4.4) X 2 (events in semi-annual period) divided by 6 (months in semi-annual period) = 1.6. Round down to nearest whole number, but not less than 1. Prorated requirement for M221= 1).

4.7.1.1. Use **Table 4.4** to determine the number of months available. Prorate only if absence is at least 15 consecutive days.

4.7.1.2. When an individual permanently changes station to a unit flying the same model aircraft and enters the same training level or lower, during the training cycle, credit training accomplished at the previous base. Prorate training requirements based on the time available (e.g. time at former base, plus time at new base, minus number of days not available) during the training period. Time available starts 7 days after sign-in for CONUS and 14 days after sign-in for OCONUS or on the date of actual accomplishment of the first training event, whichever occurs first. Subtract previous accomplishments from the prorated total to determine remaining requirements.

4.7.2. Units may also prorate requirements for individuals changing training levels. Units may elect to credit past accomplishments, but if they elect to do so they may not prorate new training requirements. Individuals moving from Level A to Level B must complete any new training currencies required in Level B. Individuals moving from Level C to Level A or B must re-qualify in the events they are not qualified in and complete mission qualification requirements.

Table 4.4. Individual Availability.

Days Available	Months Available
0-15	0
16-45	1
46-75	2
76-105	3
106-135	4
136-165	5
>166	6

4.8. Failure to Complete Training Requirements. Declare individuals NMR if they fail to complete ground (**Table 4.1**) or semiannual flying continuation training requirements (**Table 4.3**). The following guidance applies**:**

4.8.1. Failure to Complete Semi-Annual Flying Training Events. At the end of the semi-annual training period, the Sq/CC will review ARMS products for crewmembers that fail to accomplish all required flying continuation training events. Sq/CC will direct training necessary for the individual to regain MR status or request an OG/CC waiver for the requirement (paragraph **1.5.2.1**).

4.8.1.1. Place individuals delinquent in one or more events in supervised training status and declare them NMR until the flying event is completed or waived. Loss of MR status prohibits an individual from accomplishing unsupervised in-flight duties. (For example: An AECM is delinquent in aircraft emergencies must fly in a primary crew position with an instructor of like specialty to complete these events).

4.8.1.2. Failure to complete Mobility Training events in **Table 4.2** does not affect MR status but restricts crewmembers from performing missions that require the delinquent event(s) until the training is accomplished.

4.8.1.3. With the exception of mandatory grounding events in **Table 4.1** the OG/CC may waive ground continuation training events identified in the table notes. This waiver authority will be used judiciously. The decision to grant a waiver will be on a case by case basis, based on the individual crewmember's experience and proficiency level. OG/CC will determine the allowable time period of the waiver. The make-up period should be accomplished at the earliest opportunity. This waiver is for unforeseen circumstances only and only for events that will not degrade mission accomplishment.

4.8.2. Re-Currency Training.

4.8.2.1. Loss of Currency. Flight currency is associated with the event denoted in the flying continuation training table by a specific period of time (60 or 90 day). Place individuals delinquent in Mission Management Currency Sortie (F900) in supervised status for that event and declare them NMR. **Crewmembers non-current for less than 6-months will maintain their current flight training level (no training folder required).** Crewmembers are non-current the day after event currency expires (i.e., a

crewmember with a 60-day requirement accomplished F900 on 1 September, becomes non-current on the 61ˢᵗ day, 1 November)**.**

4.8.2.2. For loss of currency up to 6-months, a crewmember must demonstrate proficiency on any aircraft they are qualified on. They must be in a designated crew position with an instructor of like specialty for all delinquent items.

4.8.2.3. Regain currency for Mission Management Currency Sortie (F900) as follows:

4.8.2.3.1. Non-current AECMs will fly with an instructor in a primary crew position. As a minimum, the AECM will demonstrate/verbalize aircraft emergency equipment/exits and review the In-flight Medical Kit and emergency functions of the medical equipment with the Instructor.   If an AECM does not meet the minimum requirements to regain currency the instructor will recommend training and a repeat currency flight. Opening a training folder is not required.

4.8.2.3.2. Following completion of the applicable requirements, the instructor will document and sign on the file copy of the Flight Authorization and the AFTO 781 the following: "Rank, name of AECM, has completed requirements to regain currency on this mission." IAW AFI 11-401.

4.8.2.3.3. Regain currency based on the time elapsed since becoming non-current as described in paragraph **4.8.2.3** MAJCOM/A3T (or equivalent) is the waiver authority for all OG/CC endorsed flight currency waiver requests (paragraph **1.5.2**). **NOTE**: Non-current AECMs may regain currency on a periodic flight evaluation.

4.8.3. Loss of currency exceeding 6-months. The crewmember is unqualified in the aircraft and must complete requalification training (paragraph **2.5**) and receive an aircrew evaluation according to AFI 11-2AE V2.

4.8.4. See AFI 11-202 Volume 1, for individuals leaving active flying status.

4.8.5. Training (ground or flying) is creditable towards the new training period.

4.9. Requirements Before PCS or TDY by Rated Members on Active Flying Status. AFI 11-202 Volume 1 specifies requirements before PCS or TDY.

4.10. Requirements Before Removal From Active Flying. AFI 11-202 Volume 1 specifies requirements before removal from active flying**.**

4.11. Requirements While In Inactive Flying Status. AFI 11-202 Volume 1 specifies requirements while in inactive flying status**.**

4.12. Requirements for MAJCOM/NAF Stan/Eval or Aircrew Training AECMs. AECMs assigned to MAJCOM/NAF Stan/Eval or Aircrew Training Directorates will attach to an AE squadron of choice and maintain mission ready status.

4.13. Aircrew Flying With Other Than US Air Force Units. AFI 11-202 Volume 1 addresses individuals flying in this status**.**

4.14. Training Period. Continuation training program is based on 6-month (semi-annual) periods (1 January – 30 June; 1 July – 31 December)**.**

Chapter 5

AIRCREW INSTRUCTOR/FLIGHT EXAMINER UPGRADE PROGRAM

5.1. Description. This chapter identifies the prerequisites and training requirements for qualified AECMs to upgrade to instructor/flight examiner. The unit commander determines the number of I/FEs required for their unit. The unit I/FE program is administered according to AFI 11-202, Volume 2, MAJCOM directives, and this publication. Instructors will use AF Forms 4022, *Aircrew Training Folder*, 4023, *Aircrew Training Progress Report*, 4024, *Aircrew Training Accomplishment Report*, and 4025, *Aircrew Summary/ Close-Out Report*, for upgrade training. Qualified I/FEs transferring into new units maintain their status at the discretion of the gaining unit commander**.**

5.2. Scope. Aircrew instructor candidates will be selected based upon experience, judgment, ability to instruct, flying experience, skill and knowledge. Sq/CC, DO, CN, Superintendent, Chief/NCOIC of Stan/Eval and OIC/NCOIC Aircrew Training will identify candidates. The unit commander selects nominees on the basis of the recommendation and unit needs**.**

5.3. Prerequisites. All candidates will adhere to the following:

5.3.1. Initial instructor upgrade candidates should be mission ready IAW their unit's Designed Operational Capability (DOC) statement for a minimum of one year.

5.3.2. Aircrew members will complete instructor training within 60 days (120 days for AFRC/ANG) after course entry. The Sq/CC is the waiver authority for extending this time limit. See paragraph.**1.7.1.2**

5.3.3. All instructor upgrade candidates will receive instruction on the items located on the AF IMT Form 4024 (I/FE overprint) located on the HQ AMC/A3TM CoP at: **https://afkm.wpafb.af.mil/ASPs/docman/DOCMain.asp?Tab=0&FolderID=AM-OP-00-10-4-2&Filter=AM-OP-00-10**. MAJCOM approved in-unit instructor upgrade training consists of academic and flight training. Instructor upgrade will be accomplished at the Formal Training Unit (when established) using the AMC/A3T standardized qualification syllabus.

5.3.4. For qualified instructors transferring to a unit, the unit commander determines the training required for AECMs to maintain instructor status.

5.3.5. All instructor upgrade candidates must have completed the AFTC.

5.4. Responsibilities.

5.4.1. Commanders ensure the unit training sections use this publication, AF Form 4024 (I/FE overprint) and a MAJCOM/A3T approved qualification syllabus to upgrade AECMs to FI**.** The I/FE upgrade AF Form 4024 is located on the AMC/A3TM CoP.

5.4.2. Instructors are responsible to provide through preflight briefings and critiques. Instructors will comply with mission outlines, as appropriate, for the type mission being flown or ground training period being conducted.

5.4.2.1. Instructors will review each trainee's training record prior to performing each training flight or ground training session and document strengths, weaknesses and recommendations after each mission/session.

5.4.2.2. Instructors will ensure all required upgrade training items are completed, signed off, and proficiency demonstrated IAW AFI 11-2AE Vol 2 grading requirements before recommending trainee for evaluation. Instructors should further ensure training, operations sections, and the flight commander or designated representative is aware of trainee's status.

5.4.2.3. Flight Instructors are responsible for student supervision and safety regardless of rank. Should the judgment or proficiency of the trainee raise a question in the instructor's mind as to the trainee's ability to safely execute the duties of the aircrew position at any time during the flight, the instructor will immediately take over those duties prior to the trainee resuming duties. The instructor will explain and demonstrate the proper method of executing those duties prior to the trainee resuming duties. Use instructors for any phase of training to capitalize on their expertise and experience.

5.5. AECM Aircrew Instructor Program.

5.5.1. Required References:

5.5.1.1. AFI 10-2909, *Aeromedical Evacuation Equipment Standards*

5.5.1.2. AFI 11-2AE, Volume 1, *Aeromedical Evacuation Aircrew Training*

5.5.1.3. AFI 11-2AE, Volume 2, *Aeromedical Evacuation Aircrew Evaluation Criteria*

5.5.1.4. AFI 11-2AE, Volume 3, *Aeromedical Evacuation Operations*

5.5.1.5. AFI 11-2AE, Volume 3, *Aeromedical Evacuation Operations*, Addenda A

5.5.1.6. AFI 11-202, Volume 1, *Aircrew Training*

5.5.1.7. AFI 11-202, Volume 2, *Aircrew Standardization/Evaluation Program*

5.5.1.8. AFI 11-401, *Aviation Management*

5.5.1.9. Applicable AFI 11-2MDS series publications

5.5.1.10. AFMAN 36-2236, *Guidebook for Air Force Instructors*

5.5.1.11. AFI 41-301, *Worldwide Aeromedical Evacuation System*

5.5.1.12. AFI 41-307, *Aeromedical Evacuation Nursing Considerations and Standards*

5.5.1.13. Applicable Technical Orders (T.O.)

5.6. Overall Objectives.

5.6.1. Instructor candidates will demonstrate the ability to apply information contained in AFMAN 36-2236, with detailed knowledge of Chapters 11, 17, 27, and 28, by presenting a lesson using the principles in these chapters. Instructor candidates will be trained using MAJCOM approved standardized syllabus.

5.6.2. The instructor candidate will apply knowledge of all applicable aircraft systems, publications, and procedures to enhance mission accomplishment/training objectives.

5.6.3. The instructor candidate will demonstrate the ability to interpret information contained in student training folder and develop training plans allowing sufficient time to meet student training requirements, providing an environment conducive to open exchange of information.

5.6.4. The instructor candidate will demonstrate the ability to reconstruct the training period during critique and provide appropriate feedback.

5.6.5. Using this publication, the instructor candidate will correctly demonstrate annotation and documentation on the qualification/certification training records.

5.7. Instructional Guidance.

5.7.1. Develop training plan. Using adult learning theories contained in AFMAN 36-2236, outline expectations of the student. Maximize the use of training aids and situations to meet mission/training objectives. Unit commanders will ensure training plan is accomplished IAW standardized guidance found at: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10**

5.7.2. Using scenarios, the instructor will teach the instructor candidate to identify performance expected of a student during training sessions.

5.7.3. The instructor candidate will demonstrate/verbalize general knowledge of standardized lesson plans and a thorough knowledge and understanding of all directives governing AE operations.

5.7.4. Allow the instructor candidate with supervision to instruct a student, using applicable directives and handbooks.

5.7.5. The instructor candidate is not required to memorize regulation chapters or paragraphs.

5.8. Evaluation of Training.

5.8.1. Conduct review/critique of training period IAW AFMAN 36-2236. Highlight strengths, accomplishments, and suggested opportunities for improvement.

5.8.2. Instructor candidate will document all training completed IAW **Attachment 2** of this publication.

5.8.3. The instructor candidate will review the training folder, focusing on identified strengths and weaknesses. Address recommendations made by instructor in previous training periods.

5.8.4. Instructor candidates will satisfactorily complete a written examination prior to initial qualification or requalification flight evaluation. Examinations will be administered IAW AFI 11-202, Volume 2, and AFI 11-2AE, Volume 2. Before being designated an instructor, candidates will successfully complete an instructor evaluation flight and meet the review and certification board.

5.9. Flight Examiner Certification.

5.9.1. Flight Examiners (FE). Instructors identified for certification as a FE will possess superior knowledge of training and evaluation policies and procedures and the ability to administer evaluations according to AFI 11-202, Volume 2 and AFI 11-2AE, Volume 2.

5.9.2. All examiner upgrade candidates will receive instruction on the items located on the AF IMT Form 4024 (I/FE overprint) located on the HQ AMC/A3TM CoP at: **https://afkm.wpafb.af.mil/ASPs/docman/DOCMain.asp?Tab=0&FolderID=AM-OP-00-10-4-2&Filter=AM-OP-00-10**. MAJCOM approved in-unit examiner upgrade training consists of academic and flight training.

5.9.3. FE candidates will complete locally developed training programs for examiner certification which will be published as a unit process. Training will include at a minimum, review of applicable publications, examiner responsibilities, and local procedures, observing an EPE and observing an evaluation flight. Further training requirements will be defined in the unit supplement to this AFI. Sq/CC's may waiver this requirement if the candidate is a previously certified flight examiner.

5.9.4. FE candidates should: Observe qualified evaluators conducting a cross-section of evaluations, to include techniques used to evaluate aircraft systems, configuration, flight directives knowledge, and Emergency Procedures Evaluations (EPE).

5.9.5. The Sq/CC will determine if FE status is maintained based on current evaluators numbers to sufficiently meet the unit's mission requirements.

Chapter 6

AEROMEDICAL EVACUATION CREWMEMBER QUICK RESPONSE TRAINING PROGRAM

6.1. Description. The aircraft Quick Response Training (QRT) program is designed for the current and qualified AECM to receive one-time temporary training to perform in-flight aircrew duties on aircraft they are not qualified on prior to performing an operational (real-world) AE mission or exercise training mission on an opportune aircraft. Opportune AE platforms are aircraft other than the C-130, C-17, KC-135 or C-21 (as applicable). CRAF will be included as an opportune AE Platform.

6.2. Scope. This chapter outlines the requirements for QRT to respond to and perform AE missions in a time critical manner. It is imperative that any available aircraft be considered to transport a patient to save life, limb, or eyesight. This program applies to all AECMs regardless of command of assignment**.**

6.3. Guidelines. QRT allows AECMs to safely airlift urgent or priority patients**.**

6.3.1. If an AECM is required to fly an opportune operational or exercise training AE mission in a primary crew position, F900 (Mission Management Currency Sortie) requirements can be fulfilled.

6.3.1.1. QRT will not change the date of the next required flight evaluation or evaluation reference date.

6.3.1.2. QRT is only valid for one mission.

6.3.2. AES Sq/CC will follow guidance IAW AFI 11-401 for logging of time and flight authorizations.

6.3.3. Crew complement. Refer to AFI 11-2AE, Volume 3, for AE crew complement.

6.3.4. QRT will be instructed by a qualified crewmember (i.e., loadmaster, boom operator or pilot, ATS contractor for CRAF) in that MDS. The minimum objectives listed in para 6.3.6.1.1. through 6.3.6.1.6. will be accomplished.

6.3.5. The AECM checklist will be used. AECMs will coordinate emergency actions with a qualified crewmember (i.e., loadmaster, boom operator or pilot, ATS contractor for CRAF).

6.3.5.1. AECMs will review applicable aircraft information in AFI 11-2AE V3 Addenda A, *Aeromedical Evacuation Operations Configuration/Mission Planning,* when notified of mission requirements.

6.3.6. Training Requirements.

6.3.6.1. The following six items are the minimum objectives required for QRT.

6.3.6.1.1. Aircraft emergency procedures/signals/announcements IAW applicable MDS T.O.

6.3.6.1.2. Aircraft emergency equipment (to include Fire Extinguishers, Emergency Escape Breathing Device, Smoke Mask and/or Quick Don Mask/Goggles, Oxygen

Mask, Emergency Passenger Oxygen System, Crash Axe, Escape Ropes, Ladders, Slides, Emergency Lights, Life Preservers, Rafts).

6.3.6.1.3. Egress procedures and aircraft exits (to include Chopping Areas). **NOTE:** All primary egress exits will be opened and closed.

6.3.6.1.4. Safety issues as related to applicable ground (enplaning/deplaning procedures, concurrent servicing procedures) and in-flight operations.

6.3.6.1.5. Aircraft systems - oxygen and electrical.

6.3.6.1.6. AE equipment compatibility with applicable aircraft.

6.3.6.2. Exercise opportune aircraft training missions should have all AE mission components available. (i.e. Patient Support Pallet on KC-10).

6.3.7. Crewmembers will accomplish training prior to enplaning patients.

6.3.8. QRT will be documented on the back of the 4327a, *Flight Crew Authorization*, IAW AFI 11-401.

Chapter 7

ARMS TRAINING EVENT IDENTIFIERS AND DESCRIPTIONS

7.1. Description. ARMS event identifiers are standardized for mobility crewmembers. Event descriptions are listed by function.

Table 7.1. ARMS Identifiers and Descriptions.

Identifier	Group	Paragraph
A	Academic training	7.2 (N/A)
AA	USAF-Specified	7.3
AD	Airdrop	7.4 (N/A)
AS	Airland	7.5 (N/A)
B	Navigation & Individual Proficiency	7.6 (N/A)
C	Miscellaneous	7.7.1
E	Miscellaneous	7.7.2-7.7.3
FE	Miscellaneous	7.7.4 (N/A)
FR	Formation Departure & Recovery	7.7.5 (N/A)
F	Flight Training	7.8
G	Ground Training	7.9
H	Miscellaneous (Health)	7.7.6 (N/A)
LE	Miscellaneous (Aircrew Flight Equipment)	7.10 (N/A)
LL	Aircrew Flight Equipment	7.11
M	Mission Specific	7.12
NV	NVG	7.13 (N/A)
N	Crew Proficiency	7.14 (N/A)
P	Individual Proficiency	7.15
Q	Qualification	7.16
R	Air Refueling	7.17 (N/A)
RS	Tactical Approaches / Departures	7.18 (N/A)
S	Special Operations (SOAR)	7.19 (N/A)
SK	Station Keeping Equipment	7.20 (N/A)
SS	SERE	7.21
V	Global Ready Aircraft Commander	7.22 (N/A)
VL	Visual Low Level	7.23 (N/A)
VT	Visual Threat Recognition & Avoidance	7.24 (N/A)
VV	NVG	7.25 (N/A)
X	Unit Defined	7.26

7.1.1. A crewmember that instructs (a class) may receive credit for the academic training.

7.1.2. **DOCUMENTATION**

7.1.2.1. Use AF Form 1522 to record ground training events, the course instructor will deliver the completed/certified forms to the appropriate scheduling and training documentation sections within one duty day after the class is taught. In addition to the AF Form 1522, record small arms training (G280) on AF Form 522, *USAF Ground Weapons Training Data*.

7.1.2.2. Flight Training Documentation: Units will use an AE MAR to record flight training events found in **Table 4.3,** Semi-annual Continuation Flying requirements or MAJCOM approved electronically produced ARM worksheets may be used.

7.1.2.3. Clinical skills training conducted in flight is documented in the CAF for FNs and the CFETP/AFTR for AETs by the AECMs trainer/certifier utilizing the Mission Accomplishment Report (MAR) as the source document. *Note:* AECMs may obtain applicable AFSC specific RSVP skill set credit for completion of flying training events. Refer to RSVP proficiency standards checklist for performance/knowledge requirements.

7.2. Academic Training (A) Events. (N/A for AE until AE FTU is operational)

7.3. USAF Specified Training (AA) Events.

7.3.1. **AA01–Qualification Evaluation**. Administered in-flight according to AFI 11-202, Volume 2 and AFI 11-2AE, Volume 2 as supplemented. Required prior to unsupervised flight. Required as a course completion item for qualification, requalification, and upgrade training as directed by this volume.

7.4. Airdrop (AD) Events. (N/A AE)

7.5. Airland (AD) Events. (N/A AE)

7.6. Navigation & Individual Proficiency (B) Events. (N/A AE)

7.7. Miscellaneous (C, E, H, FE, LE) Events.

7.7.1. **C040 Mobility Records Review.** Unit commander ensures unit personnel prepare for deployment in accordance with this AFI, AFMAN 10-401, *Enhanced Deployment Health Screening*, and AFI 36-507, *Mobilization of the Civilian Work Force*. In addition to the aircrew specific training items contained in this AFI, Air Force members have Air Force specific and theater specific requirements that must be met prior to deployment. The unit UDM is responsible to ensure all personnel meet these additional ancillary and mobility training requirements and are prepared for deployment to locations specified by tasking order. OPR is Unit Commander, Unit Deployment Manager, and individual crewmembers. See AFI 10-403, *Deployment Planning and Execution*. Frequency of this event will be determined in the local supplement to this AFI.

7.7.2. **E030–Passport.** Used to track passport expiration dates for crewmembers. It is AMC policy for all crewmembers to have a current Official US passport in order to comply with country entry requirements specified in the *Foreign Clearance Manual (*also referred to as *Electronic Foreign Clearance Guide, eFCG)*.

7.7.3. **E035–Secondary Passport.** As required for unit mission. Primary use is for visa application, and to track secondary passport expiration dates for crewmembers.

7.7.4. **Miscellaneous (FE) Events.** (N/A AE)

7.7.5. **Formation Departure & Recovery (FR) Events.** (N/A AE)

7.7.6. **Miscellaneous (Health) (H) Events.** (N/A AE)

7.8. Flight Training (F) Events.

7.8.1. **F900 - Mission Management Currency Sortie.** Provides training in a flying environment for AE crewmembers in an assigned crew position for a comprehensive review of the various phases of flight associated with the flying mission and to continue in the ability to improve mission ready skills required for the accomplishment of the mission profile to evacuate patients. **Description:** Individual must be current in this training event to be able to take credit for any other flying events. To receive credit for a mission management sortie, the crewmember will be in an authorized crew position (MCD, FN, CMT, 2AET, 3AET or I/FE), and actively performing duties with their assigned crew position. Must attend preflight briefing, review of aircraft emergency procedures, review of aircraft and emergency medical equipment, in-flight duties, and attend mission debrief. Must complete a minimum of four phases of flight (as outlined in applicable flight crew check list), or two hours during in-flight phase to take credit for this event. Examples are (**1.**) Loading, before taxi, before take-off and cruise or (**2.**) Cruise for 2 hours or (**3**.) Cruise, descent, offloading and before leaving aircraft. **Additional Information:** MCC position may credit this event twice (2 flights per semi-annual period).

7.9. Ground Training (G) Events.

7.9.1. **G003 - Flightline Security and Drivers Examination.** Ensures crew members understand proper flightline driving and security procedures. Required prior to driving on the flightline. Training includes: examination and certification to drive vehicles on the flightline according to local procedures and a briefing by the flightline constable covering the physical layout of restricted areas and owner or user responsibility for security reporting and detection. OPR is MAJCOM: HQ AMC/A33/SFO; Unit is Chief, Airfield Management and Flightline Constable. **Additional Information:** Sq/CC determines the number of unit flight line drivers necessary for AE flight line operations.

7.9.2. **G005 - Flight Physical.** Ensure that aircrew members are physically fit to perform aircrew duties. Flight physicals expire on the expiration date indicated on the AF IMT 1042. The required frequency may vary to address waivers and or individual physical limitations (as determined by the Flight Surgeon) but in no case will exceed 455 days. OPR is HQ AMC/SG.

7.9.3. **G006 - Physiological Training.** Currency expires 5 years after the last day of the month in which accomplished IAW AFI 11-403, *Aerospace Physiological Training Program.* (Example: If training was accomplished 19 Oct 2008, training is due not later than 31 Oct 2013). See AFI 11-403 for details.

7.9.4. **G041 -Unit Mission Briefing.** Ensures newly assigned and attached AECMs are trained in unit's mission. Briefing by unit assigned flight instructor or squadron designee to

review local policies, supplements, DOC statement, and overall unit mission. **Additional Information:** Must be completed IAW Table 1.2.

7.9.5. **G070 - Aircrew Intelligence Training (AIT).** Provides crews with the fundamentals of threat knowledge, visual recognition, and collection and reporting requirements. Enhances crewmember understanding of threats to unit assets with a direct impact on mission success and aircrew survival. Course will provide aircrew with details concerning how, when and what to include in Mission Reports (MISREP), Ops-Intel interface, Request for Information (RFI), Escape and Evasion procedures and the development and coordination of Evasion Plans of Action (EPA). See AFI 14-105, *Unit Intelligence Mission and Responsibilities* and AFI 14-105_AMCSup1; (see 14-2MDS Volume 3 when published) for further guidance. The unit intelligence officer will administer a tailored AIT-related test to determine training objectives are met. May be conducted in conjunction with G060 as determined by agreement between local Intel and Tactics offices. OPR is AMC/A2.

7.9.6. **G090 - Anti-Hijacking.** Provides crewmembers with training on USAF policy that includes war and peacetime requirements for arming USAF personnel and the use of deadly force. Training includes the use of force model, training aircrews armed to protect resources, and prevent/resist acts of aircraft piracy (hijacking). This training meets requirements in AFPD 16-8, *Arming of Aircrew, Mobility, and Oversea Personnel* and AFI 36-2226, to include procedures in AFI 31-207, *Arming and Use Of Force By Air Force Personnel.* This course will supplement training in G280, Small Arms/CCAT. OPR is MAJCOM, HQ AMC/A3T and HQ AMC/A7S. **Additional Information:** CBT located on the A3TM CoP at   **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10**   , fulfills requirement. Units may supplement CBT training with instructor led discussions based on the Use of Force Model (UFM) in AFI 31-207 and criterion test.

7.9.7. **G100 - Law of Armed Conflict (LOAC).** This training includes the principles and rules of the LOAC for aircrews to carry out their duties and responsibilities according to the Hague Convention IV 1907, 1949 Geneva Conventions and status of forces agreements. OPR is MAJCOM/JA staff. Commanders may supplement AF, MAJCOM LOAC training programs. LOAC training is available in several formats including web-based training at: **https://private.amc.af.mil/ja/loac,** Air Force Portal, MAJCOM/JA staff web sites or KC-135 ATS CBT. May be taught during G070, Aircrew Intelligence Training. **Additional Information**: Due to different mission requirements, units may increase emphasis on those areas in the course of particular interest to them. During wartime or contingency operations, commanders may direct staff to conduct LOAC training in coordination with JA and intelligence. Intelligence is only responsible for presenting JA's scripted briefing. See AFI 51-401, *Training and Reporting to Ensure Compliance With the Law of Armed Conflict*.

7.9.8. **G120 - ISOPREP Review.** Review of isolated personnel report (ISOPREP). May be completed during an aircrew's G070-Aircrew Intelligence Training (AIT). All crewmembers will maintain a digital ISOPREP in Personnel Recovery Management System (PRMS), IAW Joint Personnel Recovery Agency (JRPA) guidance. Once printed, the ISOPREP card is classified CONFIDENTIAL and must be safeguarded according to AFI 14-105. Personnel will review ISOPREP upon deployment, prior to the first mission of the day and at least every 180 days.

7.9.9. **G230 - Crew Resource Management (CRM) Refresher.** Reinforces initial CRM training through an academic review of the AMC common core subjects (according AFI 11-290, as supplemented) with specific emphasis on an annual refresher topic. Mission-specific continuation CRM training conducted according to AFI 11-290, as supplemented. Course provides crew members with training on how to successfully use all crew members to resolve problem situations. Syllabus and teaching methods/aids will be at the instructor's discretion and be based on teaching material provided by CRM Facilitators Course. **Additional Information:** AFRC will conduct semi-annual or quarterly refresher topics. AFRC quarterly CRM is logged into ARMS with the following schedule: 4 events per year, Semi-annual Currency.

7.9.10. **G231 - Initial Crew Resource Management (CRM) Training.** Introduces AMC common core subjects (according to AFI 11-290 and MAJCOM Supplements). If initial CRM is not accomplished at the formal school, it must be accomplished within 45-days AD and 90-days ARC of reporting to home station. Dual log with G230 for ARMS tracking purposes. **Additional Information**: Completion of any CRM pre-work by ATS instructor, if applicable, is required prior to instructing CRM training. An individual who successfully completes the Crew Resource Management Facilitators Course may be used in place of an ATS contractor.

7.9.11. **G280 - Small Arms Training (M-9).** Academics and firing range exercise; includes use of force and live fire or simulator training. Simulator training may not be used for initial qualification (AFI 36-2226, *Combat Arms Program,* AFI 31-207*, Arming and Use of Force by Air Force Personnel).* Trains crewmembers in successful engagement of enemy targets within the range and capabilities of their assigned weapon. **Additional Information:** Course will meet requirements of AFI 36-2226 and include use of force training from AFI 31-207. ARC may define alternate frequency requirements. Accomplish every 24 months IAW AFI 36-2226 para. 5.5.1.9.

7.9.12. **G500 - Advanced Cardiac Life Support (ACLS).** Ensures AFSC X46F (Flight Nurse) personnel are trained to perform emergency resuscitation of adult patients. 46F personnel maintain currency of skills, training and certification. Flight Nurses will complete this requirement IAW the AFSC-Specific Readiness Skills Verification Program (RSVP) and applicable directives. **Additional Information:** Flight Nurse Personnel will not fly without current ACLS training documented in ARMS.

7.9.13. **Not Used.**

7.9.14. **Aircraft Training.**

    7.9.14.1. **G932 AECM C-130 Aircraft Training**

    7.9.14.2. **G934 AECM C-17 Aircraft Training**

    7.9.14.3. **G935 AECM KC-135 Aircraft Training**

    7.9.14.4. **G937 AECM C-21 Aircraft Training. Description**: AECMs will complete training on aircraft emergency signals and announcements, aircraft emergency equipment, egress procedures, aircraft systems, concurrent servicing procedures, and aircraft configuration. This aircraft training event can be accomplished by either IBT or CBT IAW Table 4.1. Aircrew training (CBT/IBT) will be successfully accomplished

with documentation prior to initial and requalification. Each MAJCOM should establish standardized procedures to address unsuccessful completion of course assessment. MAJCOM training representatives will be responsible for the management of the unlock code for course assessment failures. CBTs are located at: **https://amc.csd.disa.mil/kc/login/login.asp?kc_ident=kc0010**. IBT must be a standardized training program approved by MAJCOM and must satisfy all the requirements listed under the description of this event. Hands on demonstrations will be accomplished IAW the standardized training program checklist. Document successful completion of this training on an AF IMT 1522.

7.9.15. **G940 – Cardio-Pulmonary Resuscitation (CPR).** Ensures all AECMs can perform adequate CPR IAW current American Heart Association (AHA) guidelines. Current AHA guidelines for CPR will be used by all AECMs during ARM and operational missions. OPR is HQ AMC/SG.

7.9.16. **G950 - Medical Equipment Review (Hands-on).** Ensures all AECMs have hands-on medical equipment training. Medical equipment instructors will provide training to ensure all AECMs can demonstrate the ability to assemble/operate the following pieces of equipment:

Bag-Valve-Mask	Portable O2 System
Cardiac monitor/Defibrillator/Battery Pack	Portable Suction Unit
ECAS	Pulse Oximeter
Frequency Converter	Restraints
IV Infusion Pump	Ventilator
Minilator	Vital Signs Monitor

Aeromedical Wireless Intercommunication System

C-21 Spectrum Unit Suction System: Properly preflight vacuum pump IAW AFI 11-2AE V3, Addenda A. This requirement is for AECMs where the C-21 is applicable to the assigned unit's mission.

NOTE: Additional pieces of equipment may be included to the above items per direction of HQ AMC or the unit Commander/Chief Nurse.

7.9.17. **G960 - National Registry Emergency Medical Technician (NREMT-B) Certification.** Ensures all AETs can provide the appropriate interventions during a medical emergency in-flight. AECM must have a valid card or web-based verification by expiration date of 31 Mar (year of expiration). AECM must have a valid card or web-based verification by expiration date of 31 Mar (year of expiration). Certification will be IAW 4N0X1 CFETP/AFTR. AECMs will ensure they have the most current certification date on their Individual Training Summary (ITS) by updating their ARMS product. **Additional**

Information: AETs will not fly without current NREMT-B (Individuals who hold a current state Paramedic or National Registry EMT Intermediate/Paramedic certification meet the intent of the NREMT-B requirement IAW CFETP/AFTR.

7.10. Miscellaneous (Aircrew Flight Equipment) (LE) Events. (N/A AE).

7.11. Aircrew Flight Equipment Training (LL) Events.

7.11.1. **LL01 Aircrew Flight Equipment Familiarization Training (AFEFT).** Unit specific equipment and procedures peculiar to home station or local training area. One time event, per base assignment, conducted prior to first flight at home station to familiarize aircrew members with Aircrew Flight Equipment (AFE) availability, issue, use, pre-flight and post flight procedures. Provide AFE Familiarization for subsequent re-assignment(s) to the same base. Normally taught in conjunction with LL06. OPR is HQ AMC/A3TL. **NOTE:** ALEP does not apply to AE aircrew.

7.11.2. **LL03 - Emergency Egress Training – Non Ejection Seat** (Unit assigned aircraft, suffix described in **7.11.2.2** to **7.11.2.4**)**.** Ensures all crewmembers can explain ground and in-flight egress procedures, perform required egress procedures, and are able to identify, locate and utilize appropriate emergency equipment. Also, ensures crew members understand the operation of fire extinguishers located in the aircraft and fire bottles positioned outside the aircraft. The course should also address egress difficulties associated with the Aircrew Chemical Defense Ensemble (ACDE) and emergency contamination control when combined with LL05. **Description**: Training will include discussion of primary and secondary air and ground egress exit points. Conduct training at the aircraft, practice "hands-on" egress scenarios to enforce the importance of aircrew coordination actions required for emergency situations. See AFPD 11-3, *Aircrew Flight Equipment*, AFI 11-301, Vol 1, *Aircrew Flight Equipment (AFE) Program*, AFOSH Standard 91-100, *Aircraft Flight Line Ground Operation and Activities*, and applicable MAJCOM guidance. **Instructor**: Aircrew flight instructors, AE aircrew instructors (unit assigned MDS), and Aircrew Flight Equipment personnel will provide egress training to all aircrew. **Additional Information:** Accomplish initial egress training in the aircraft. CBT may be used in conjunction with hand-on training to accomplish continuation training (with the exception of the fire extinguisher and fire bottle training). Actual performance of ground emergency egress procedures at the aircraft is required. The unit will coordinate with maintenance to ensure aircraft availability for training. Appropriate maintenance stand and safety equipment must be immediately below windows and hatches being used. A safety observer or instructor must be positioned on the maintenance stand to assist as necessary.

7.11.2.1. **Egress Training (non-unit assigned aircraft suffixes).** Not NMR item

7.11.2.2. **LL03A - C-130 Egress (AECM).**

7.11.2.3. **LL03B - C-17 Egress (AECM).**

7.11.2.4. **LL03C - KC-135 Egress (AECM).**

7.11.2.5. **LL03D - C-21 Egress (AECM). Description:** Ensures all crewmembers can explain and demonstrate ground egress procedures, and are able to locate and utilize appropriate emergency equipment on the MDS. The AECM will demonstrate the operation of all primary exits. If aircraft is not available at base of assignment,

accomplish hands on ground egress training prior to enplaning of patients or first flight for the MDS.   **Instructor:** Qualified AECM instructors and non-instructor boom operators and loadmasters may teach emergency egress training for AECM prior to flight or prior to enplaning of patients, provided that the training is "hands-on," covers all requirements of LL03 IAW AFI 11-301, para 5.3.3. and is documented on an AF Form 1522. AE personnel will utilize the Aircrew Egress Training Guides available on the HQ AMC/A3TM CoP. These events are not substitutes for unit assigned MDS Egress training (LL03).   **Additional Information:** AE personnel will maintain currency for their non ejection seat, *unit assigned* aircraft and follow established policy for training and certification by a Flight Equipment Officer, appointed rated officer, or qualified instructor aircrew.

7.11.3. **LL04 - Aircrew Chemical Defense Training (ACDT).** An academic and equipment training session in which the aircrew member demonstrates and performs donning, doffing, buddy dressing procedures. Training is provided to all crewmembers stationed in or subject to deployment or operations through a Chemical Threat Area (CTA).This training also includes information on hazards and limitations of wearing the equipment properly and improperly, preflight procedures, and aircraft integration. Donning, doffing of equipment, and decontamination during exercises fulfills training requirement. Each aircrew will demonstrate procedures during their initial class; subsequent classes require a minimum of 10% of aircrew participants to dress out and demonstrate Aircrew Contamination Control Area (ACCA) processing procedures. Units may combine this training with G010 (Chemical/ Biological Warfare Training), provided both aircrew and ground ensembles are fully covered (AFPD 11-3, AFI 11-301, Vol 1). See AFI 11-301, Vol 1, for course description and MAJCOM supplement.   **NOTE:** Until the next generation aircrew chemical defense mask is available, AECMs will use the ground chemical defense (MCU-2A/P or other as appropriate) mask for this training.

7.11.4. **LL05 - Egress Training with ACDE.** Provides training required to safely egress unit assigned MDS while wearing ACDE. AECMs will don ACDE TQT gear: MCU-2A/P (ground chemical defense mask) (See 7.11.3. Note), cotton glove inserts, butyl gloves, and nomex gloves. AECMs will demonstrate the ability to safely egress their unit assigned MDS while wearing ACDE. Opening and exiting primary ground exits will satisfy this event. A non-masked observer will be present for safety. This event may be accomplished on an operational mission, ARM or STM. Must be accomplished in assigned MDS aircraft before first flight. One Time Event for unit assigned MDS. **NOTE:** AECMs who have completed egress training with ACDE (LL05) in previous training (ORE, ORI, etc) will receive credit for this training requirement. AECMs will provide documentation of training to Aircrew Flight Equipment to receive credit.

7.11.5. **LL06 - Aircrew Flight Equipment (AFE).** Academic and equipment training in which crewmembers demonstrate their ability to locate, preflight, and use all aircrew and passenger AFE carried aboard unit aircraft or issued to crewmembers. Ensure crewmembers are briefed on the limitations and safety issues related to AFE. This course includes academic and hands-on training in the location, preflight, and use of all aircrew flight equipment aboard unit aircraft or issued to unit crewmembers. AFE is conducted as part of initial qualification training for students. Units should combine LL06 with LL03, SS02, SS05 and track completion of the following AFE subcategories to ensure proper aircrew currency:

7.11.5.1. **LL06C Combat Survival AFE;** normally accomplished with the same frequency and logged in conjunction with SS02.

7.11.5.2. **LL06E Egress/Oxygen AFE;** normally accomplished with the same frequency and logged in conjunction with LL03.

7.11.5.3. **LL06W Water Survival AFE;** normally accomplished with the same frequency and logged in conjunction with SS05. **Additional Information:** See AFI 11-301 and the MAJCOM supplement, and AFPD 11-3.

7.12. Mission Specific Training (M) Events.

7.12.1. **Aircraft Systems** Provides hands-on experience operating aircraft systems and aircraft configuration for universally qualified airframes. AECMs will operate each of the aircraft systems and configure each aircraft per applicable T.O., flight crew checklist and assigned crew duties. OPR is HQ AMC/A3T.

7.12.1.1. **M221 Oxygen systems**: Properly preflight and connect patient to oxygen system source and properly use oxygen delivery equipment. **NOTE:** AECMs will determine total ground and in-flight requirements and evaluate patient oxygen saturation to maintain sea level equivalent Fraction of Inspired Oxygen (FI02).

7.12.1.2. **M222 Electrical systems**: Properly preflight and connect medical equipment to electrical system source using the electrical cable assembly set (ECAS) and/or electrical converter as applicable IAW current equipment standards.

7.12.1.3. **M223 Communication systems**: Locate and operate communication system panel to include contacting pilot in command (PIC) to acquire a high frequency phone patch. Required once annually for AETs.   **NOTE:** Nurses should make every attempt to acquire a phone patch and demonstrate the ability to protect patient confidentiality while using ground and in-flight radio and information systems to obtain operational and medical support. AETs should describe or demonstrate proper radio etiquette when on headset.

7.12.1.4. **M224 Lighting systems**: Locate and operate lighting system panel and be able to identify emergency lighting system.

7.12.1.5. **M225 Aircraft Configuration:** AECMs will configure the aircraft to accommodate a minimum of one litter stanchion and enplane or offload a minimum of 3 simulated litter patients (litters must be weighted). KC-135 assigned units will utilize a Patient Support Pallet (PSP). Utilize a Spectrum unit if conducted on the C-21 and load 1 simulated litter patient. AECMs will floor load a minimum of three litters. AECMs will demonstrate the 1, 2, 3 floor loading litter configurations when applicable, (For KC-135 use the 1 and 2 litter floor load procedure). Configuration of the aircraft will be accomplished IAW applicable T.O. or Air Force Instruction.

7.12.2. **Aircraft Emergencies.** Provides a flight training environment that closely mimics aircraft emergencies. AECMs will accomplish hands-on application of a simulated in-flight emergency procedure per flight crew checklist while in a primary crew position. Emergency scenarios should be coordinated with the flight crew and completed with as much realism as possible. Emphasis will be on use of emergency equipment, understanding and completion of all checklist steps, application of CRM concepts and demonstration of mission and clinical

documentation of emergency on AF 3899 (a-k), AF 3829 and DD 2852. Scenarios will be completely debriefed by all participants upon termination of exercise. During each semi-annual period, the following four aircraft emergencies will be reviewed: Fuselage Fire/Smoke and Fumes Elimination, Rapid Decompression, Ditching, Emergency Landing, and In-flight Door Warning (as applicable). OPR is HQ AMC/A3T.

    7.12.2.1. **M311 Rapid Decompression.**

    7.12.2.2. **M312 Fuselage Fire / Smoke & Fume Elimination.**

    7.12.2.3. **M313 Emergency Landing/Ditching.**

    7.12.2.4. **M314 Door Warning Light Illuminated in flight (as applicable).**

7.12.3. **In-flight Medical Emergencies.** Provides a training environment that closely mimics in-flight medical emergencies. AECMs will manage simulated in-flight medical emergencies incorporating the effects of stresses of flight per AFI 41-307, current ACLS guidelines, *Lippincott Manual, Flight Nursing Principles and Practice,* applicable flight crew check list, and assigned crew duties within the individual's scope of practice. Use associated medical equipment IAW current equipment standards. OPR is HQ AMC/A3T. **NOTE:** AECMs will apply the principles of aerospace physiology for patients of all ages transiting the AE system during peacetime and wartime, intratheater and intertheater operations to identify, prevent, and/ or treat potential and actual responses to the stresses of flight IAW AFI 41-307.

    7.12.3.1. **M331 Cardiac/Respiratory**: Demonstrate and obtain all necessary equipment and supplies to manage a patient with chest pain or respiratory distress. The AECM will demonstrate the ability to manage a patient whose condition deteriorates and requires BLS (AETs)/ACLS (FN) interventions IAW American Heart Association guidelines.

    7.12.3.2. **M332 Altitude Physiology/Stresses of Flight**: Demonstrate the ability to manage the patient, whose condition may deteriorate due to the stresses of flight, utilizing all necessary equipment and supplies available.

    7.12.3.3. **M333 Neurological/Endocrine**: Demonstrate and obtain all necessary equipment and supplies to manage a seizure patient, diabetic emergency patient, closed head injury and other diagnoses contained within these categories.

7.12.4. **Combat/Trauma Casualty Management.** Prepares and ensures AECMs are proficient in combat/trauma casualty management procedures when flying operational missions. AECMs will demonstrate knowledge and obtain all necessary equipment and supplies to manage simulated or actual patients IAW AFI 41-307, current ACLS guidelines, and *Lippincott Manual*. Use of associated medical equipment will be per current AE equipment standards, AFI 10-2909. OPR is HQ AMC/A3T.

    7.12.4.1. **M341 Patient Assessment:** Demonstrate and obtain all necessary equipment and supplies available to perform an initial patient assessment and a periodic ongoing assessment for those patients whose condition may deteriorate due to the stresses of flight.

    7.12.4.2. **M342 Airway Management:** Demonstrate skills and obtain all necessary respiratory equipment and supplies available to maintain airway management.

7.12.4.3. **M343 Musculo-skeletal Stabilization:** Demonstrate skills and obtain all necessary equipment and supplies available to provide on-going Musculo-skeletal stabilization/comfort.

7.12.4.4. **M344 Burn Patient Care Skills:** Demonstrate knowledge and care skills and obtain all necessary equipment and supplies available to manage and treat burns.

7.12.4.5. **M345 Psychiatric Emergencies:** Demonstrate assessment and treatment skills and obtain all necessary equipment and supplies to care for psychiatric patients under the various categories.

7.12.4.6. **M346 Ventilator Set-up:** Connect ventilator to oxygen source IAW AFI 10-2909, *Aeromedical Evacuation Equipment Standards*, annually.

7.12.5. **M920 - Contingency Engines Running Onload or Offload (ERO) Operations.** Provides training environment that closely mimics contingency operations and ensures all AECMs have hands-on ERO experience while enplaning or deplaning a configured aircraft.

7.12.5.1. AECMs will configure the aircraft to accommodate a minimum of 10 litter patients on a C-130, 9 litter patients on a C-17, and 2 litter patients on a KC-135 (with or without a PSP).

7.12.5.2. AECMs will enplane or deplane a minimum of five (5) weighted litters (may be manikin or live simulated patients, baggage, sandbags, etc.) on the aircraft configured to receive patients. In-flight kits will not be used as weighted litters.

7.12.5.3. This event should occur during dusk, dawn or low light conditions (red/green/blue/or suffused white lights) and should be completed in conjunction with an OTM, ARM or STM. Regardless of mission type the engines must be running. **EXCEPTION**: EROs will never be completed on the KC-135 per AFI 11-2AE V3. **OPR:** HQ AMC/A3T. **Additional Information:** To gain credit, AECM must be in crew position (including I/FE) or participate as a litter bearer. Floor loading litters is an acceptable alternative to loading weighted litters into configured stanchions. Ensure 1, 2 and 3 litter floor loading configurations are used when applicable (KC-135 will use 1 and 2 litter floor loading procedure) IAW AFI 11-2AE V3, Addenda A. This training option will be most likely used for EROs.

7.13. NVG (NV) Events. (N/A AE)

7.14. Crew Proficiency (N) Events. (N/A AE)

7.15. Proficiency Training (P) Events.

7.15.1. **P280 - Aircrew Chemical Defense Task Qualification Training (ACDTQT):** An exercise emphasizing hands-on training, dressed out in partial Chemical Defense (CD) ensemble. The purpose of the exercise is to enable crewmembers to become aware of their limitations while wearing the equipment. Complications of heat exhaustion, fatigue, hyperventilation, limited dexterity, and hampered communication can all be experienced during the exercise. Observers must closely monitor crewmember actions during the exercise. If crewmember experiences difficulties such as excessive thermal stress, hyperventilation, headaches, etc., and either the observer or crewmember believes it is unsafe to continue, the equipment will be immediately removed. Once the unsafe condition is

resolved have the crewmember re-don the ACDE equipment to finish the training period or reschedule the training. **Member will at a minimum put up (1) stanchion or do interior inspection of aircraft while dressed out in ACDE to experience the complications listed above.**   **Additional Information:** AECMs, supervised by an unmasked AECM, will wear Ground Chemical Defense Mask (MCU2A/P or other as appropriate), cotton glove inserts, butyl and nomex gloves for a minimum of 30 minutes while performing AECM duties. This event will be accomplished on an operational mission (non-interference), STM or ARM. Prior to being scheduled for this event, each aircrew member must have completed LL04, Aircrew Chemical Defense Training.   **NOTE:** Until the next generation aircrew chemical defense mask is available, AECMs will use the ground chemical defense (MCU-2A/P or other as appropriate) mask for this training.

7.16. Qualification (Q) Events.

7.16.1. Q001 - Open-Book Qualification Examination.

7.16.2. Q002 - Closed-Book Qualification Examination.

7.16.3. **Q090 - Flight Publications Check IAW AFI 11-215 Chapter 7, USAF Flight Manuals Program.**

7.16.4. Q170 Flight Evaluation Folder Review.

7.17. Air Refueling (R) Events. (N/A AE)

7.18. Tactical Approaches / Departures (RS) Events. (N/A AE)

7.19. Special Operations (SOAR) (S) Events. (N/A AE)

7.20. Station Keeping Equipment (SK) Events. (N/A AE)

7.21. Survival Training (SS) Events. AFI 16-1301 is SERE parent regulation. In such case where there is a conflict between this reference and the parent regulation, the parent regulation takes precedence. Refer to table 2.4 for SS event frequencies and grounding items. OPR is HQ AMC/A3DT. All "SS" training events will be conducted by 1T0X1 (SERE Instructor) or designated instructor.

7.21.1. **SS01 Local Area Survival (LAS).** Identifies environmental aspects that could affect an aircrew member in a local area, survival scenario. Determine personnel recovery tactics, techniques, and procedures applicable to local area flying operations. One-time requirement, to be accomplished at each base of assignment IAW AFI 16-1301. When possible, combine and dual log with Aircrew Flight Equipment Familiarization Training (LL01). **Additional Information:** Each unit is responsible for tailoring training to meet unit needs. Units may develop local standardized PowerPoint briefings to satisfy this requirement.

7.21.2. **SS02 - Combat Survival Training (CST).** Provides aircrew members with the information necessary to survive in any peacetime or wartime environment. Course includes in-depth instruction in physiological and psychological factors, personal protection, land navigation, combat recovery and signaling, survival medical training, Code of Conduct, and Search and Rescue communications. Academic and field training designed for aircrew members whose duties may include over-flight of or deployment to hostile territory. CST provides aircrew members an opportunity to demonstrate their ability to operate aircrew

flight equipment (AFE), employ survival/evasion techniques and practice rescue procedures under simulated combat conditions. See AFI 16-1301 and the MAJCOM supplement. **Additional Information**: Each unit is responsible for tailoring training to meet unit needs, IAW AFI 16-1301, S*urvival, Evasion, Resistance and Escape (SERE) Program.* Course length will not exceed one training day. Units may schedule crewmembers to complete both CST and Water Survival Training (WST) events in a single training day.

7.21.3. **SS03 - Conduct after Capture (CAC).** Provides refresher training for wartime, governmental, and hostage detention situations. Only qualified personnel will conduct CAC. Resistance role-play instruction is specifically prohibited without HQ USAF/XOO approval and validation. See AFI 16-1301, *Survival, Evasion, Resistance, And Escape (SERE) Program* for course description. Assigned to combat-coded units will receive CAC once per assignment not to exceed 36 months between events. Conduct training within 90 (ARC 180) days of assignment. AECMs must complete CAC before being awarded mission ready (MR) status. Training is normally conducted in conjunction with SS02, Combat Survival Training.

7.21.4. **SS05 Water Survival Training (WST).** Academic and equipment training designed to provide aircrew members the opportunity to demonstrate their ability to use all weapon-system specific floatation devices and components available during an overwater emergency, employ water survival techniques, and practice rescue procedures Initial Water Survival training establishes the due date for reoccurring training. **Description:** Aircrew will demonstrate proficiency in Training Tactics and Procedures (TTP) for survival and recovery from a water environment using weapons system specific survival equipment. This training should be conducted in natural waters (pond, lake, or ocean) or an environmental pool if logistically possible. Training in swimming pools is authorized if overall training objectives are not compromised. WST will utilize the demonstration and performance method of instruction. **Additional Information**: See AFPD 11-3 and AFI 16-1301, *Survival, Evasion, Resistance, and Escape (SERE) Program.* Each unit is responsible for tailoring training to meet unit needs. Course length will not exceed six hours. Units may schedule crewmembers to complete both CST and WST events in a single training day.

7.21.5. **SS07 - Contingency SERE Indoctrination (CSI).** CSI is a Combatant Command-directed activity and is designed to prepare high risk of capture (HRC) personnel deploying to a specific theater of operations or contingency. CSI will be tailored to the specific mission, e.g., fighters, transport aircraft or ground forces. Combatant Commands will certify selected SERE Specialists to instruct HRC theater preparations. CSI is also referred to as HRC theater preparation or HRC briefing. This brief is only required for HRC personnel flying into specific areas inside the USCENTCOM Area of Operation (AOR). This brief is valid for a period of two years and only requires currency when the aircrew member is still flying designated HRC missions inside the USCENTCOM AOR after the two-year currency period. Instructors will explain the legal status of isolated personnel and applicability of Geneva Conventions, Code of Conduct, and other considerations for dealing with potential evasion or captivity environments. CSI should be accomplished within 60 days prior to deployment.

7.21.6. **SS20 - Combat Survival Training (CST), Wartime Level C (S-V80-A) (Initial).** Trains aircrew members and other designated personnel in post-egress parachute descent procedures and in the principles, procedures, techniques, and equipment essential to maintaining life and honor, and returning regardless of conditions. This course meets all the

JPRA level-C EAI (Executive Agent Instruction) guidance and is the only Air Force SERE COCT level-C course.

7.21.7. **SS32 - Water Survival Training (WST) S-V90-A (Initial).** Trains aircrew members who do not carry parachutes and other designated personnel in the principles, procedures, techniques, and equipment that improve their ability to survive and be recovered from water.

7.21.8. **SS34 - Medical SERE Training (B3AZYBLMD-000).** (Will be replaced once S-V80-A/S-V90-A is fully implemented). Trains medical aircrew members in the principles, procedures, techniques, and equipment that improve their ability to survive and be recovered and enables them to care for their patients on land, in water, or in captivity. **Additional Information:** The Survival, Evasion, Resistance, and Escape (SERE) Course (B3AZYBLMD-000) is a separate course that is no longer embedded in the FN/AET Course. This course will be conducted at USAFSAM. The course meets the requirement for initial water survival and Survival Evasion Resistance Escape (SERE) training. Certificate of training will not be awarded if training is missed or incomplete. Water training will be conducted in a pool with a maximum depth of eight feet.

7.22. Global Reach Aircraft Commander Course (V) Events. (N/A AE)

7.23. Visual Low Level (VL) Events. (N/A AE)

7.24. Visual Treat Recognition & Avoidance (VT) Events. (N/A AE)

7.25. NVG (VV) Events. (N/A AE)

7.26. Unit Defined (X) Events. Reserved for use by local units. Define events in the local supplement to this AFI. OG/CCs should review all "X" events for relevancy to the unit's mission during the TRP. This review will be documented in the TRP minutes. See AFI 11-202, Volume 2 and AFI 11-2AE Vol 2.

7.27. Forms Adopted. AF Form 8, *Certificate of Aircrew Qualification*; AF Form 847, *Recommendation for Change of Publication*; AF Form 1042, *Medical Recommendation for Flying or Special Operational Duty*; AF Form 1522, *ARMS Additional Training Accomplishment Report*; AF Form 4022, *Aircrew Training Folder*; AF IMT Form 4023, *Aircrew Training Progress Report*; AF IMT Form 4024, *Aircrew Training Accomplishment Report*; AF IMT Form 4025, *Aircrew Summary/Closeout Report*.

PHILIP M. BREEDLOVE, Lt Gen, USAF
DCS, Operations, Plans and Requirements

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

Joint Pub 3-50.2, *Doctrine for Joint Combat Search and Rescue*

Joint Pub 3-50.3, *Joint Doctrine for Evasion and Recovery (JPRA)*

AFDD 2-1.6, *Joint Doctrine for Personnel Recovery, 1 Jun 05*

AFPD 10-2, *Readiness, 30 Oct 06*

AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities, 1 May 98*

AFPD 10-29, *Worldwide Aeromedical Evacuation Operations, 6 Aug 07*

AFPD 11-2, *Aircraft Rules and Procedures, 14 Jan 05*

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AFPD 16-8, *Arming Of Aircrew, Mobility, and Oversea Personnel, 18 May 93*

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AFI 10-2501, *Air Force Emergency Management (EM) Program Planning and Operations, 24 Jan 07*

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AFI 11-202, Volume 3, *General Flight Rules, 5 Apr 06*

AFI 11-215, *Flight Manuals Program (FMP), 22 Dec 08*

AFI 11-218, *Aircraft Operation and Movement on the Ground, 11 May 05*

AFI 11-290, *Cockpit/Crew Resource Management Training Program, 11 Apr 01*

AFI 11-301 Volume 1, *Aircrew Flight Equipment (AFE) Program, 25 Feb 09*

AFI 11-401, *Aviation Management, 7 Mar07, IC18 May 09*

AFI 11-403, *Aerospace Physiological Training Program, 20 Feb 01*

AFI 13-207, *Preventing and Resisting Aircraft Piracy (Hijacking)*-(FOUO*), 15 Apr 94*

AFI 14-103, *Threat Recognition Training Materials Production Program, 25 Jan 05*

AFI 14-105, *Unit Intelligence Mission and Responsibilities, 3 Jun 02*

AMCI 14-107, *Command Intelligence Personnel Training Program, 1 May 01*

AFI 16-1301, *Survival, Evasion, Resistance, and Escape (SERE) Program , 6 Sep 06*

AFI 31-207, *Arming and Use of Force by Air Force Personnel, 29 Jan 09*

AFI 33-324, *The Information Collections and Reports Management Program: Controlling Internal, Public, and Interagency Air Force Information Collections, 1 Jun 00*

AFI 36-704, *Discipline and Adverse Actions, 22 Jul 94*

AFI 36-2107, *Active Duty Service Commitments (ADSC), 22 Apr 05, Certified Current 17 Feb 09*

AFI 36-2201, Volume 3, *Air Force Training Program, On the Job Training Administration, 4 Feb 05*

AFI 36-2226, *Combat Arms Program, 24 Feb 09*

AFI 41-106, *Unit level Management of Medical Readiness Programs, 14 Apr 08, IC2 28 Jul 09*

AFI 41-301, *Worldwide Aeromedical Evacuation System, 1 Aug 96*

AFI 41-307, *Aeromedical Evacuation Patient Considerations and Standards of Care, 20 Aug 03*

AFI 44-102, *Medical Care Management, 1 May 06, AFGM1.1 24 Dec 09*

AFI 48-123, *Medical Examinations and Standards*, *24 Sep 09*

AFI 51-401, *Training and Reporting To Ensure Compliance with the Law of Armed Conflict, 19 Jul 94, IC 17 Dec 08*

AFMAN 36-2227 Volume 2, *Combat Arms Training Programs Crew Served Weapons*

AFMAN 36-2236, *Guidebook for Air Force Instructors, 12 Nov 03*

AFOSH Standard 91-100, *Aircraft Flight – Line Ground Operations and Activities, 1 May 98*

AFPAM 10-100, *Airman's Manual, 1 Mar 09*

AFVA 11-224, *Aircraft Marshalling Signals, 1 Jun 04*

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Abbreviations and Acronyms

A3—Operations Directorate

A3E—Executive Services

A3F—Global Space Operations Division, Directorate of Air, Space and Information Operations

A3T—Air Operations Training

A3TM—Air Operations Aeromedical Evacuation Branch

ACCA—Aircrew Contamination Control Area

ACR—Aircrew Ratio

ACCM—# Accomplished

A—Annual

AC—Aircraft Commander

ACDE—Aircrew Chemical Defense Ensemble

ACDT—Aircrew Chemical Defense Training

ACDTQT—Aircrew Chemical Defense Task Qualification Training

AD—Active Duty

ADSC—Active Duty Service Commitment

AE—Aeromedical Evacuation

AECM—Aeromedical Evacuation Crewmember

AECOT—Aeromedical Evacuation Contingency Operations Training

AEF—Air and Space Expeditionary Force

AET—Aeromedical Evacuation Technician

2AET—Second Aeromedical Evacuation Technician

3AET—Third Aeromedical Evacuation Technician

AETC—Air Education and Training Command

AFAT—Air Force Awareness Training

AFCAT—Air Force Catalogue

AFDD—Air Force Doctrine Document

AFDIR—Air Force Directory

AFFSA—Air Force Flight Standards Agency

AFH—Air Force Handbook

AFI—Air Force Instruction

AFIND—Air Force Index

AFM—Air Force Manual (old designation)

AFMAN—Air Force Manual (new designation)

AFPAM—Air Force Pamphlet

AFPD—Air Force Policy Directive

AFRC—Air Force Reserve Command

AFSC—Air Force Specialty Code

AFTC—Air Force Training Course

AFTR—Air Force Training Record

AHA—American Heart Association

AEIQ—Aeromedical Evacuation Initial Qualification

AIT—Aircrew Intelligence Training

AFE—Aircrew Flight Equipment

AMC—Air Mobility Command

AMOG—Air Mobility Operations Group

AMOS— Air Mobility Operations Squadron

AMWC—Air Mobility Warfare Center

ANG—Air National Guard

A/R—As Required

ARC—Air Reserve Component

ARM—Aeromedical readiness mission

ARMS—Aviation Resource Management System

ASEV—Aircrew Standardization/Evaluation Visit

AT— Antiterrorism

ATD—Aircrew Training Device

ATOC—Air Terminal Operations Center

ATS—Aircrew Training System

B—Biennial

BAQ—Basic Aircraft Qualification

BMC—Basic Mission Capable

BO—Boom Operator

C—Cyclical (17-month qualification evaluation cycle)

CAC—Conduct after Capture

CAF—Combat Air Forces or Competency Assessment Folder

CATM—Combat Arms Training and Maintenance

CBRNE—Chemical, Biological, Radiological, and Nuclear, and High Yield Explosives

CBT—Computer-Based training

CC—Commander

CCT— Cargo Compartment Trainer

CFETP—Career Field Education and Training Plan

CMRT—Continuing Medical Readiness Training

CMT—Charge Medical Technician

CN—Chief Nurse

COMSEC—Communications Security

CONUS—Continental United States

CPR—Cardio-Pulmonary Resuscitation

CRAF—Civil Reserve Air Fleet

CRG—Contingency Response Group

CRM—Crew Resource Management

CSI— Contingency SERE Indoctrination

CST—Combat Survival Training

CT—Continuation Training

CUR—Currency

CTA—Chemical Threat Area

CWBD—Chemical Warfare Biological Defense

CWD—Chemical-Biological Warfare Defense

DNIF—Duty Not Involving Flying

D—Number of Listed Days

DO—Director of Operations

DOC—Designed Operational Capability

DOD—Department of Defense

DOT—Department of Training

A3T—Directorate of Operations, Training

EA—Evaluator Aeromedical Evacuation Technician Duty Position Identifier

EH—Evaluator Flight Nurse Duty Position Identifier

EMT—Emergency Medical Technician

ERD—Evaluation Reference Date

ERO—Engines Running Onload or Offload

ETCA—Education and Training Course Announcements

FE—Flight Examiner

FEF—Flight Evaluation Folder

FI—Flight Instructor

FI02—Fraction of Inspired Oxygen

FMP—Flight Manuals Program

FN—Flight Nurse

FT—Flight Training

FTL—Flying Training Level

FTP—Flight Training Period

FuT—Fuselage Trainer

FTU—Formal Training Unit

GR—Grade

GT—Ground Training

GTL—Ground Training Level

HARM— Host Aviation Resource Management

HQ—Headquarters

HRC—High Risk of Capture

I/FE—Instructor/Flight Examiner

IA—Instructor Aeromedical Evacuation Technician Duty Position Identifier

IAW—In Accordance With

IBT— Instructor-Based Training

IH—Instructor Flight Nurse Duty Position Identifier

INC—Incomplete

INIT—Initial

INSTR—Instructor

IQT—Initial Qualification Training

ISOPREP—Isolated Personnel Report

ITS—Individual Training Summary

JIT—Just-in-time

JRTC—Joint Readiness Training Center

LAS—Local Area Survival

LM—Load Master

LMS—Learning Management System

LOAC—Laws of Armed Conflict

M—Months

MAF—Mobility Air Force

MAJCOM—Major Command

MA—Aeromedical Evacuation Technician Duty Position Identifier

MAR—Mission Accomplishment Report

MCC—Mission Clinical Coordinator

MCD—Medical Crew Director

MDS—Mission Design Series

MH—Flight Nurse Duty Position Identifier

MPF—Military Personnel Flight

MQT—Mission Qualification Training

MR—Mission Ready

MSN—Mission

MX—Maintenance

N/A—Not Applicable

NAF—Numbered Air Force

NATO—National Atlantic Treaty Organization

NCOIC—Non-Commissioned Officer In Charge

NGB—National Guard Bureau

NMR—Non-Mission Ready

NREMT—National Registry Emergency Medical Technician

OCONUS—Outside the 48 Contiguous States of the United States

OG—Operations Group

OG/CC—Operations Group Commander

OIC—Officer In Charge

OPORD—Operations Order

OPR—Office of Primary Responsibility

ORE—Operational Readiness

ORI—Operational Readiness Inspection

OTM—Operational Training Mission

P—Proficient

PACAF—Pacific Air Forces

PCS—Permanent Change of Station

POI—Plan of Instruction

PSP—Patient Support Pallet

Q—Qualified

Q-—Qualified with Discrepancies

Q-3—Unsatisfactory Flight Evaluation

QQ—5 Years

QRT—Quick Response Training

QUAL/MSN—Qualification Mission

RDS—Records Disposition Schedule

RPL—Required Proficiency Level

RPT—Required Proficiency Training

RQ—Requalification

RQT—Requalification Training

RSVP—Readiness Skills Verification Program

RTRB—Realistic Training Review Board

S—Satisfactory

SARM— Squadron Aviation Resource Management

SAV—Staff Assistance Visit

SERE— Survival, Evasion, Resistance, and Escape

SG—Surgeon General

Sq/CC—Squadron Commander

STAN/EVAL—Standardization and Evaluation

STM— Static Training Mission

TACC—Tanker Airlift Control Center (AMC)

TL—Training Level

TO—Technical Order

TRP—Training Review Panel

TTM—Tandem Training Mission

U—Unqualified or Unsatisfactory

UMD—Unit Manning Document

USAF—Unit States Air Force

USAFE—United States Air Forces in Europe

USAFSAM—USAF School of Aerospace Medicine

UTA—Unit Training Assembly

V2—Volume 2

Vol—Volume

WG—Wing

Wg/CC—Wing Commander

WST—Water Survival Training

WX—Weather

Terms

Academic Training— A course of instruction that includes, but is not limited to, classroom instruction related to aircraft systems and operation, flight characteristics and techniques, performance, normal procedures, abnormal procedures, and emergency procedures. To adequately prepare students, academic courses should be completed prior to simulator or flight training.

Aeromedical Evacuation (AE)— The movement of patients under medical supervision to and between medical treatment facilities by air transportation.

Aeromedical Evacuation Crew Member (AECM)— Qualified FNs, AETs, and unqualified student trainees performing AE duties under the direct supervision of a qualified instructor or flight examiner.

Aeromedical Evacuation Technician (AET)— An enlisted medical corps technician who has completed a recognized course of study in aerospace nursing and has current aeronautical orders in that Air Force Specialty Code (AFSC). See AFI 11-401 for Flight Authorization Duty Code.

Aeromedical Readiness Mission (ARM)— Training missions using simulated patients to prepare AECMs for care and evacuation of patients during wartime.

Aircraft Commander (AC)— Pilot who has been certified to perform "pilot-in-command" duties.

Aircraft Static— Stationary aircraft used for training purposes, must be one of the aircraft used for AE Universal Qualification and have power to the aircraft.

Aircrew Training Device (ATD)—-- All trainers (aircraft), computer assisted instruction, sound-on-slide programs, videos, and mockups designed to prepare students for flight training or augment prescribed continuation training.

Annual (A)— Training required once every calendar year.

Basic Aircraft Qualification (BAQ)— Aircrew member who has successfully completed an in-flight evaluation but is not mission ready.

Biennial (B)— Training required once every two calendar years.

Cargo Compartment Trainer (CCT)— Aircrew Cargo Compartment Trainer device that provides actual environment in which crewmembers learn, develop, improve, and integrate skills associated with their crew position. The CCT is a mockup of a real aircraft, not to be confused with a FuT which is a real aircraft with the wings removed. The interior of the CCT allows crewmembers to configure the space for floor loading or the use of stanchions and hookups for medical equipment for static training.

Contingency Exercise Training Mission (CETM)— A training mission conducted during a DOD/MAJCOM/Wing sponsored exercise, Joint Readiness Training Center (JRTC), Aeromedical Evacuation Contingency Operation Training (AECOT), or Inspector General (IG) inspection. Crew compliment will be IAW AFI 11-2AE V3 and based on scenario requirements. All crewmembers will be current and qualified. Upgrade training/evaluations are prohibited on CETM flights. A trained MCC is not required for this mission. AECMs can only take credit for specific events listed in 4.3. A CETM mission has no required flight time.

Charge Aeromedical Evacuation Technician (CMT)— A qualified AET who supervises other AETs in aircrew positions on an AE mission.

Computer—Based Training (CBT) — Ground training system that uses computer-generated graphics or text in conjunction with interactive programs as the primary medium of instruction.

Continuation Training— Ground and flight training events necessary to maintain mission-ready or basic qualification status.

Currency Event— Flying continuation training events with prescribed maximum interval between accomplishments shown in the "CUR" column.

Currency Reference Month— Month used to calculate due dates for training events.

Event— A training requirement/event in this AFI. Several events or tasks constitute a training profile.

Flight Examiner (FE)— A crewmember certified to administer evaluations.

Flight Instructor (FI)— Crewmember trained, qualified, and certified by the Sq/CC as an instructor.

Flight Nurse (FN)— A nurse corps officer who has completed a recognized course of study in aerospace nursing and has current aeronautical orders in that AFSC. See AFI 11-401 for Flight Authorization Duty Code.

Flying Training Level (FTL)— A standard assigned to crewmembers, based upon experience and SQ/ CC recommendation, directing flying continuation training requirements.

FuT—An actual aircraft that has the wings removed and pneumatic devices such as the loading ramp and the electrical plugs are operated by household electricity and not aircraft power. This device that provides actual environment in which crewmembers learn, develop, improve, and integrate skills associated with their crew position. The interior of the FuT allows crewmembers to configure the space for floor loading or the use of stanchions and hookups for medical equipment for static training.

Ground Training Level (GTL)— A standard assigned to crewmembers, based upon experience and Sq/CC recommendation, directing ground continuation training requirements.

Instructor Based Training— Required MDS specific training accomplished by an instructor following a standardized plan of instruction.

Instructor Supervision— A qualified instructor of like specialty supervising a maneuver or event.

Medical Crew Director (MCD)— A qualified FN who supervises patients, manages AECMs, and has overall medical and patient responsibility during AE.

Mission Clinical Coordinator (MCC)— A qualified AECM trained to complete training duties specified in the AMC ARM Training Program Guide. Instructors and Examiners may also fill this role.

Mission Ready (MR)— An aircrew member who is current and qualified IAW AFI 11-2AE V1.

Monthly— Training required once every calendar month.

Non-Mission Ready (NMR)—An individual who is non-current or unqualified in the aircraft, or incomplete in required continuation training.

Operational Training Mission (OTM)— A scheduled operational mission on which no patients have been manifested for airlift. AECMs may utilize 2-4 hours to complete continuation training requirements from Table 4.3. A basic crew complement of two FN and three AETs is required. A MCC is also required for an OTM to facilitate the execution of scenarios, provide instructional guidance on medical interventions, aircraft emergencies and document observations of crewmember performance. **Exception:** Prior to conducting training on an operational mission, one AECM will assume a patient role and one MCC trained AECM will assume the MCC role; thereby decreasing the crew compliment for training to one FN and two AETs. One additional simulated litter patient will be required to complete the training. **NOTE**: If a MCC trained AECM is not available, training is not authorized.

Quarterly—3-month periods defined as 1 October to 31 December (first quarter of the fiscal year), 1 January to 31 March, 1 April to 30 June, and 1 July to 30 September.

Quick Response Training (QRT)—Training designed for the current and qualified AECM to orient on aircraft they are not qualified on, prior to performing an operational urgent or priority AE mission on an opportune aircraft.

Quinquennial— Training required once every 5-years.

Re-Currency Training—Training used to regain currency based on time AECM has been non-current.

Requalification Training— Training required re-qualifying aircrew members in an aircraft in which they have been previously qualified.

Semi-Annual—6-month training periods from 1 January to 30 June and 1 July to 31 December.

Senior Officers— Colonel selects and above (IAW AFI 11-202, Volume 1) to include AES Sq/CCs.

Supervised Training Status— Crewmember will fly under instructor supervision as designated by the Sq/CC or examiner. This status is a result of loss of currency or qualification, or less-than-qualified evaluation or NMR status relating to an overdue ground or flying continuation training event.

Static Training Mission (STM) An Aeromedical Readiness mission accomplished in a static aircraft, Fuselage Trainer (FuT) or Cargo Compartment Trainer (CCT) to complete continuation training events when a flight has been cancelled or the aircraft is unavailable for flight. A static training mission should be scheduled for no less than two hours to accomplish continuation training events found in Table 4.3. Training performed on an STM requires a basic AE crew (IAW AFI 11—2AE Vol 3) and a MCC. *Note:* For ERO, engines must be running except on the KC-135 Aircraft. See **Table 4.3** for events conducted on a static training mission.

Tandem Training Missions (TTM)—. AECMs on Aeromedical Readiness Missions (ARM) are authorized to conduct simultaneous (tandem) training on the same aircraft utilizing no more than two basic AE crews and (2) MCC's.

Training Devices— All trainers (aircraft), computer assisted instruction, sound-on-slide programs, videos, and mockups designed to prepare students for flight training or augment prescribed continuation training.

Training Level (TL)— A standard assigned to crewmembers, by the Sq/CC, directing continuation training requirements.

Triennial— Training required once every three calendar years.

Universal AECM Qualification—A global AE program which ensures all AECMs are trained and qualified to perform in-flight duties on four AE identified MDS' (C-130, C-17, KC-135 and if applicable C-21). AECMs qualified on one MDS are considered qualified on all AE identified MDS.

Upgrade Training— Training to qualify an aircrew member in a higher crew position (i.e., basic crew to instructor and instructor to flight examiner).

Weighted Litter— Approved NATO/OSL or Army Decontamination litter with a realistic patient weight: mannequin or (human) simulated patient, sandbags, baggage, etc. **Do not use equipment litters as simulated litters**.

Attachment 2

AIRCREW TRAINING DOCUMENTATION

A2.1. General Information. This attachment provides guidelines on proper training documentation. Instructions are provided for AF Form 4022, *Aircrew Training Folder*. Also included are AF IMT Form 4023, *Aircrew Training Progress Report*, AF IMT Form 4024, Aircrew *Training Accomplishment Report*, and AF IMT Form 4025, *Aircrew Summary/ Close-Out Report*, and aircrew training guides.

A2.1.1. Create an AF Form 4022, for ETCA formal training courses (formal school or in-unit), mission qualification, flight examiner certification training, in-unit upgrade program to the next higher crew qualification, requalification training (formal school or in-unit) and all corrective action or additional training.

A2.1.1.1. AF IMT Forms 4023, 4024, and 4025 will be used for ATS and formal school courses. Electronic version of the 4022, 4023, 4024, and 4025 are authorized.

A2.1.1.2. Unit operations officer may waive the training folder requirement if corrective action or additional training is limited. If initiated, the instructor or flight examiner who evaluated the aircrew member's performance will enter comments pertinent to the training deficiency on AF Form 4023 or the training guide. Use the existing training folder for end-of-course evaluations that result in additional training.

A2.1.1.3. At the unit's discretion, training folders for an individual undergoing more than one training program in a short period of time may combine all training into one AF Form 4022.

A2.1.2. Formal schools will send or have student hand-carry AF Form 4022 with all training records to the trainee's gaining unit. Sq/CCs or designee will review formal school training records and enter appropriate comments on the training guide progress record or AF Form 4023.

A2.1.3. The unit (typically squadron-level) will maintain the training folders for assigned personnel in a location readily accessible to instructors and supervisory personnel. The trainee may review his or her training folder at any time.

A2.1.4. The instructor or trainer will review the training folder, to include AF IMT Forms 4023 and 4024, prior to all training periods. Those areas not previously accomplished or those, in which crewmembers require additional training, will be noted for possible inclusion during the current training period. Sq/CC, SQ/DO, CN, or Superintendent will review active training folders quarterly and flight commanders or squadron training representatives will conduct a monthly review. Annotate monthly and quarterly reviews on AF Form 4023.

A2.1.5. Upon completion of training, place AF Form 4025, *Aircrew Summary/Closeout Report* in the individual's 4022.

A2.1.6. AF IMT Forms 4022, 4023, 4024, and 4025 will be used for in-unit qualifications, ATS and formal school courses.

A2.1.7. For the purposes of training documentation, Ground Training (GT) will considered all training not associated with a flight or Aircrew Training Device (ATD).

A2.1.8. Each squadron will retain all AF Forms 4022 for 1-year, then the contents of the folder will be maintained as a permanent attachment to the AET's CFETP/AFTR or within the FN's skills CAF.

A2.2. Instructions for AF Form 4022. This form is a folder constructed of hard stock paper. The inside covers have tables for documenting training. AF IMT Forms 4023, 4024, and 4025 and additional information (waivers, memorandums, etc.) will be attached through the top centered clasps of the folder. The form is available through the Air Force publications distribution system IAW AFI 37-161, *Distribution Management*. Comply with the following when documenting aircrew training on the form.   **NOTE:** Formal school instructors using ATS courseware are not required to complete the following sections of the AF Form 4022: ground training summary, written evaluations, and flying training summary if this information is tracked by other means and sent to the gaining unit with AF Form 4022.

A2.2.1.   **Trainee information (cover):** provides trainee and course information.

A2.2.1.1. **NAME and GRADE**. Enter last name, first name, MI and rank (i.e. Doe, John E. Sgt).

A2.2.1.2. **AIRCREW POSITION.** Self-explanatory. For aircrew members in an upgrade program, enter the aircrew position to which they are obtaining qualification for (i.e. IH, or MA).

A2.2.1.3. **UNIT of ASSIGNMENT.** Self-explanatory.

A2.2.1.4. **TYPE of TRAINING.** Enter formal course title. For other types of training, enter   a descriptive identifier, IAW AFI 11-202, Volume 2 (i.e., INIT QUAL/MSN, INSTR).

A2.2.1.5. **CLASS NUMBER.** Enter formal school class number; otherwise, leave blank.

A2.2.1.6. **COURSE NUMBER:** Enter formal course number (if applicable), otherwise leave blank.

A2.2.2. **GROUND TRAINING SUMMARY** (inside left). This section provides a chronological record of ground training events. Record non-flying training events. Entries are required for GT. Entries are required for in-unit academic instruction conducted according to formal school courseware or approved instructional tools. (See **Figure A2.1**)

A2.2.2.1. **DATE**. Day, month, year format (i.e. 1 Jan 01).

A2.2.2.2. **TRAINING PERIOD**. Use sequential periods (i.e. GT-1, AT-2, SIM-3). Complete one training period before moving on to the next sequential event.

A2.2.2.3. **STATUS**. If training was not completed, mark "INC" with remarks on AF Form   4023. Leave blank if not used.

A2.2.2.4. **INSTRUCTOR/TRAINER** (Qualification). Enter the name of the instructor or trainer and aircrew qualification. Printed first initial, last name, highest qualification (i.e. IH, IA). There is no requirement to sign your name in this block. (i.e. J. Doe, IA)

A2.2.2.5. **TRAINING TIME**. Time spent training in hours and tenths. Do not include time normally associated with pre-brief and debrief. Single GT period will not exceed eight hours.

A2.2.3. **TRAINING PERIOD DESIGNATORS**. AE will utilize "GT" designator for ground training, "SIM" for events completed on a STM or CCT/FuT, or "AT" for academic events as described in the appropriate training syllabus.

A2.2.4. **WRITTEN EVALUATIONS**. (If applicable).

A2.2.4.1. **DATE**. Enter the date the written evaluation was satisfactorily completed (i.e. 1 Jan 01).

A2.2.4.2. **TYPE**. Enter the AFI 11-202, Volume 2 description or other appropriate identifier. This includes initial open (Q001) and closed (Q002) book exams and instructor open book exam to include BOLDFACE EXAM.

A2.2.4.3. **GRADE**. Enter according to AFI 11-202, Volume 2.

A2.2.5. **PERFORMANCE EVALUATION SUMMARY**. Record data on required evaluations including re-evaluations (if applicable).

A2.2.5.1. **DATE RECOMMENDED**. Enter date recommended for a flight evaluation (i.e. 1 Jan 01).

A2.2.5.2. **TYPE EVALUATION**. Evaluation description identifier IAW AFI 11-2AE Volume 2 or other appropriate identifier.

A2.2.5.3. **INSTRUCTOR** (Qualification). Enter the name and aircrew qualification of the instructor recommending the student for an evaluation. Print first initial, last name and highest qualification. (i.e. J. Doe, IH)

A2.2.5.4. **OPERATIONS REVIEW**. Following recommendation for evaluation, the Sq/CC, Sq/DO, CN or Superintendent will initial indicating a records review has been accomplished after a recommendation for evaluation. A write-up and signature will also be required on the AF Form 4023. **NOTE:** If training is scheduled to be completed and the student is recommended for the evaluation away from home station, the operations review must be accomplished prior to departure.

A2.2.5.5. **DATE EVALUATED**. Enter the date the evaluation was completed.

A2.2.5.6. **EVALUATOR**. Self-explanatory.

A2.2.5.7. **GRADE**. Enter according to AFI 11-2AE, Volume 2

A2.2.6. **FLYING TRAINING (FT) SUMMARY**. This section provides a chronological record of flying training sorties. Log all sorties scheduled even if canceled by external factors such as weather (WX) or maintenance (MX). (See **Figure A2.2**)

A2.2.6.1. **DATE**. Day, month, year format (e.g. 1 Jan 01).

A2.2.6.2. **TRAINING PERIOD**. Use sequential periods (i.e. ST-1, ST-2, ST-3). Complete one training period before moving on to the next sequential event. AE will only utilize "ST- Locally scheduled training mission Trainer or OT-Operation training" designator for flight training.

A2.2.6.3. **STATUS**. If the scheduled training period was not completed due to weather or maintenance, an "INC" will be entered in the status block along with the proper identifier ("WX-weather", "MX-maintenance"). Leave blank if not used.

A2.2.6.4. **INSTRUCTOR/TRAINER** (Qualification). Enter the name and aircrew qualification of the instructor. Print first initial, last name and highest qualification (i.e. IA, IH). There is no requirement to sign your name in this block. (i.e. J. Doe, IA)

A2.2.6.5. **MISSION TIME**. Enter the total mission time in the top half of the block. Lower half of block is used to document FT in primary crew position. Log all flying sorties scheduled, even if cancelled for MX or WX.

A2.2.6.6. **CUMULATIVE TIME**. Enter the total cumulative mission time in the top half of the block. Lower half of block is used to document total cumulative FT in primary crew position.

A2.2.7. **AF Form 4022 Aircrew Training Folder Closure**. The Training Folder is considered closed upon successful completion of the final event required by the training program. Final training events include flight evaluation; instructor validation of training (i.e. C-21 training or flight examiner); and/or Sq/CC certification.

Figure A2.1. AF Form 4022 (page 2), Ground Training Summary.

GROUND TRAINING SUMMARY									
DATE	TRAINING PERIOD	STATUS	INSTRUCTOR/TRAINER *(QUALIFICATION)*	TRAINING TIME	DATE	TRAINING PERIOD	STATUS	INSTRUCTOR/TRAINER *(QUALIFICATION)*	TRAINING TIME
1 JAN 01	GT-1		W. Rule (IA)	4.0					
2 JAN 01	AT-2		E. Anderson (IH)	4.5					
4 JAN 01	SIM-3	INC	J. Smith (IH)	2.5					
5 JAN 01	SIM-3		R. Ivy (IA)	4.0					

TRAINING TIME:
Time spent training in hours and tenths. Do not include time normally associated with prebrief and debrief. Single GT period will not exceed eight hours.

INSTRUCTOR/TRAINER (QUAL):
First initial, Last name, highest qualification (i.e. IH, IA). Name is to be PRINTED as sample above. There is no requirement to sign your name in this block.

DATE:
Day, Month, Year Format

TRAINING PERIOD/STATUS:
Use sequential periods (i.e. GT-1, AT-2, SIM-3). Complete one training period before moving on to the next sequential event.

Status block is utilized if training was incomplete. Requires remarks on AF Form 4023.

TRAINING PERIOD DESIGNATORS

GROUND TRAINING

CTD --	CELESTIAL TRAINING DEVICE	BOPTT --	BOOM OPERATOR PART TASK TRAINER
CPT --	COCKPIT PROCEDURES TRAINER	ARPTT --	AIR REFUELING PART TASK TRAINER
SIM --	SIMULATOR (OFT, WST)	AT --	ACADEMIC TRAINING
GT --	OTHER GROUND TRAINING	OFT --	OPERATIONAL FLIGHT TRAINER

Print first initial and last name and highest qualification.

FLIGHT TRAINING

S   -- LOCALLY SCHEDULED TRAINING FLIGHT

T   -- LOCALLY SCHEDULED TACTICAL MISSION

O   -- OPERATIONAL MISSION (SAA

SO -- SPE

AD -- AIRD

AR -- AIR

Sq CC, DO, Chief Nurse Executive, or Superintendent initials indicates a records review has been accomplished after a recommendation for evaluation. A write-up and signature will also be required on AF Form 4023.

WRITTEN EVALUATIONS

DATE	TYPE	GRADE	DATE	TYPE	GRADE
1 FEB 01	Closed Book	100%		Boldface Exam	Q
2 FEB 01	Open Book	100%		IAW AFI 11-202 V2	

PERFORMANCE EVALUATION SUMMARY

DATE RECOMM.	TYPE EVALUATION	INSTRUCTOR *(QUALIFICATION)*	OPERATIONS REVIEW	DATE EVAL	EVALUATOR	GRADE
10 FEB 01	INIT QUAL/MSN	W. Rule (IA)	*MHL*	12 FEB 01	J. Knowsall	1

Date recommended for a performance evaluation

Evaluation description identifier IAW AFI 11-202 Vol 2.

Figure A2.2. AF Form 4022 (page 3), Flying Training Summary.

A2.3. Instructions for AF Form 4023, Aircrew Training Progress Report: This form provides a narrative description of training missions and is also used for documenting operations review of training progress. File AF Forms 4023 on left side of AF Form 4022 in order with the most recent GT/FT on top. (See **Figure A2.3**)

A2.3.1. **TRAINING PERIOD and DATE**. Training period is ground or flight (i.e. AT-1, GT-2, SIM-3, OT-1, etc). Date will be in day, month, year format, (i.e. 1 Jan 01).

A2.3.2. **GT**. Annotate amount of time completed for training event. If not GT leave blank. Classroom academic training will be annotated as AT and tabulated under the ground training block.

A2.3.3. **GT Total**. Total ground training time. Keep a running total of ground training time.

A2.3.4. **FLY**. Log only actual crew position time, if not an FT, leave blank.

A2.3.5. **FLY TOTAL**. Keep a running total of flying time.

A2.3.6. **ATD.** Annotate amount of time utilized for training on a static aircraft or CCT/FuT, if not ATD, leave blank.

A2.3.7. **ATD TOTAL.** Keep a running total of static aircraft or CCT/FuT training time.

A2.3.8. **TOTAL TRAINING TIME**. Keep a running total of blocks 3, 5 and 7.

A2.3.9. **REMARKS/RECOMMENDATIONS**. Describe the training scenario to accurately document each event. Comments will elaborate on trainee strengths and weaknesses, identify problem areas, record unusual circumstances, and indicate student progress. Recommendations will be specific and include tasks requiring further training and the type of training required. If more space is required for annotating remarks, draw vertical arrows through the signature section (blocks 10-12) and through sortie information heading section (blocks 1-8) and continue remarks in the next block 9.

A2.3.10. **INSTRUCTOR**. Instructors will print and sign their name, highest qualification, and rank.

A2.3.11. **STUDENTS**. Students will print and sign their name and annotate their rank.

A2.3.12. **REVIEWER**. For monthly reviews, flight commander or OIC/NCOIC aircrew training will print and sign their name and indicate their rank and title. For quarterly review, Sq/CC, DO, Chief Nurse or Superintendent will review active status AF Forms 4022 (Training Folders) at least once each quarter. They will document their reviews on AF Form 4023 and this indicates all previous months in the quarter have been viewed and acknowledged. The reviewer will annotate "monthly review" or "quarterly review" as applicable, in block 9 of the AF Form 4023. For monthly reviews, indicate the month you are reviewing in the remarks/recommendation section.

A2.3.13. **AF FORM 4023.** Will be completed by instructor and reviewed by the student prior to his or her next training period.

Figure A2.3. AF Form 4023, Aircrew Training Progress Report.

AIRCREW TRAINING PROGRESS REPORT				
1 TRAINING PERIOD/DATE GT-1 1 Jan 01	2. GT 14.6	4. FLY 5.0	6. ATD	8. TOTAL TRAINING TIME 40.4
	3. GT TOTAL 14.6	5. FLY TOTAL 25.8	7. ATD TOTAL	

REMARKS/RECOMMENDATIONS **MISSION:** *(Describe mission scenario completely)*	Block 1. Training period will be GT-1, OT-1, etc. Date will be in day, month, and year format. Block 2. If not GT leave blank Block 3. Total ground training time- Keep a running total Block 4. Flight Time Block 5. Total flying time-Keep a running total of flying time.
	Block 6. N/A Block 7: N/A
OBSERVATIONS: *(Include: Strengths/Weaknesses and Problem areas)*	Block 8: Total flying time-Keep a running total of block 3 and 5. Block 9. Describe the mission scenario to accurately document each event. Local overprints are authorized. Comments will specific on trainee strengths, weaknesses, problem areas, unusual circumstances, student progress and include tasks requiring further training. If more space is required for annotation remarks, draw vertical lines through the sortie information heading section (items 1-8) and continue remarks block 9.

RECOMMENDATIONS: *(Be specific. Include tasks requiring further training)*	

10. Instructor	11. Student	12. Reviewer

1. TRAINING PERIOD/DATE	2. GT	4. FLY	6. ATD	9. TOTAL TRAINING TIME
	3. GT TOTAL	5. FLY TOTAL	6. ATD TOTAL	

Continue remarks in the section if needed	Block 10. Instructor will print and sign name, rank and qualification Block 11. Students will print and sign their name and rank Block 12. For Monthly reviews, flight commander or OIC/NCOIC Aircrew Training will print and sign their name and indicate their rank and title. For quarterly review, Sq/CC, DO, CN or Superintendent will review active status AF Form 4022's at least once each quarter. Annotate monthly or quarterly review (as applicable) in Block 9.

10. Instructor W. Rule, TSgt (IA)	11. Student J. Blank, SSgt	12. Reviewer John E. Instructor, MSgt NCOIC, Aircrew Training

A2.4. Instructions for AF IMT Form 4024, *Aircrew Training Accomplishment Report*: This form tracks, for each sortie, individual event and task accomplishment and grades. Ground and flight training events may be combined on a single AF Form provided they are separated in the SORTIE and DATE row/columns sequentially. Maintain AF IMT Forms 4024 on the right side of AF Form 4022. Refer to AMC/A3T CoP to download AF IMT Form 4024 for use. Units, at a minimum, will use the HQ AMC approved AF IMT Form 4024 overprint. Units will supplement this instruction with unit specific overprints identifying unit specific Training Event/Task listing, total number of repetitions required, and the Required Proficiency Level (RPL) for any additional unit specific Training Event/Task.   **NOTE:** The AF IMT Form 4024 may be used for

ATS and formal school courses at their discretion. If additional forms are needed, see AFI 37-160, Volume 8, *Air Force Publications and Forms Management Program Developing and Processing Forms* for guidance. The AF IMT Form 4024 can be downloaded on the A3TM AE CoP at: **https://afkm.wpafb.af.mil/ASPs/CoP/OpenCoP.asp?Filter=AM-OP-00-10**

A2.4.1. **NAME**. Print last name, first name, middle initial and rank (i.e. Doe, John E. Sgt).

A2.4.2. **CREW POSITION**. Self-explanatory. For aircrew members in an upgrade program, enter the aircrew position to which they are obtaining qualification for (i.e. IH/IA or MH/MA).

A2.4.3. **COURSE/PHASE**. Print appropriate phase of training (i.e., INIT QUAL/MSN).

A2.4.4. **SORTIE/TRAINING**. Use sequential period (i.e. GT-1, OT-1, etc).

A2.4.5. **DATE**. Day, month, year format (i.e. 1 Jan 01).

A2.4.6. **TRAINING EVENT AND TASK LISTING**. Reflects the tasks and sub-tasks in the training program that require specific student performance or knowledge proficiency standards.

A2.4.7. **NUMBER ACCOMPLISHED.** (# ACCM) Reflects the number of times an event was accomplished on that sortie/training period.

A2.4.8. **GRADE**. Enter a "P", "S", or "U" as appropriate (see **Figure A2.4**).

A2.4.8.1. "1" – Reflects the number of times an event was accomplished during GT or FT.

A2.4.8.2. "P" – Proficient; crewmember has achieved the required proficiency level.

A2.4.8.3. "S" – Satisfactory; crewmember has not achieved the required proficiency level but progress is satisfactory.

A2.4.8.4. "U" – Unsatisfactory; crewmember was previously proficient, but has regressed or progress is unsatisfactory. **NOTE:** Once a crewmember has received "P" for an event, the only subsequent grade allowed is either "P" or "U". Any event graded "U" must have an associated remark on AF Form 4023. **NOTE:** USAFSAM initiated AF IMT Form 4024 is a stand-alone document that will accompany the student back to the unit to document academic training accomplished at the school. It will be placed in the AF Form 4022, (Training Folder) for historical reference. The USAFSAM initiated AF IMT Form 4024 will not be used for continuing documentation at the unit level.

A2.4.9. **TOTAL NUMBER REQUIRED**. Indicates the total repetitions of an event or task required to meet required proficiency level. The total number required will be determined by the unit leadership.

A2.4.10. **TOTAL NUMBERED ACCOMPLISHED**. Total number of repetitions actually accomplished.

A2.4.11. **REQUIRED PROFICIENCY LEVEL (RPL).** RPL for the specific event and task. Each event and task will have a performance standard designated for the required proficiency level the crewmember must achieve. In addition, each event and task may have (optional) knowledge standard designated and used in the same manner as a performance

standard. The Required Proficiency Level will be based upon the knowledge or performance standard established by HQ AMC. Performance and knowledge standards follow:

Table A2.1. Event and Task Performance Standard.

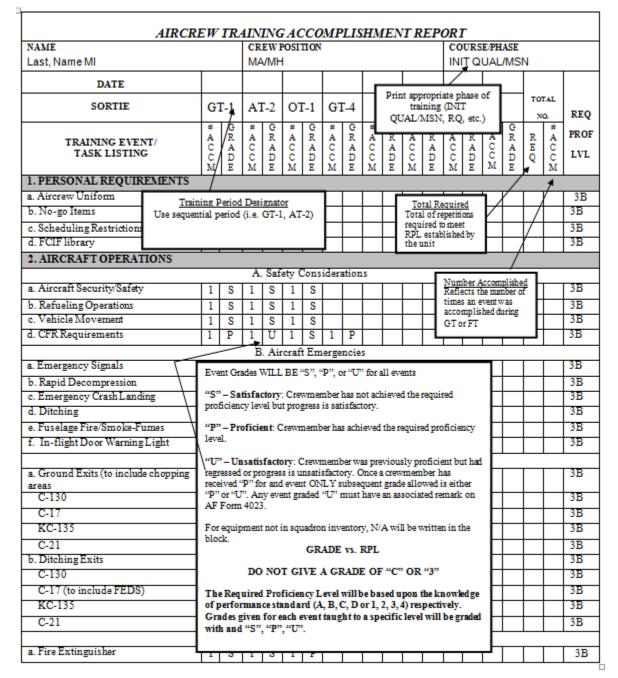| Event And Task Performance Standard		
Code	Performance is:	Definition:
1	Extremely Limited	Individual can do most activities only after being told or shown how.
2	Partially Proficient	Individual can do most of the behaviors, but not necessarily to the desired levels of speed, accuracy, and safety.
3	Proficient	Individual can do and show others how to do the behavior in an activity at the minimum acceptable levels of speed, accuracy, and safety without the assistance of an instructor. For copilots, proficiency may involve actual aircraft control or copilot duties only. For instructors, proficiency includes the ability to demonstrate, instruct, and supervise ground and flight activity.
4	Highly Proficient	Individual can do behaviors in an activity at the highest level of speed, accuracy and safety.
Event And Task Knowledge Standard		
Code	Knowledge of:	Definition:
A	Facts and Nomenclature	Individual can identify basic facts and terms about the subject and when used with a performance code, can state nomenclature, simple facts, or procedures involved in an activity.
B	Principles and Procedures	Individual can explain relationship of basic facts and state general principles about the subject and when used with a performance code, can determine step-by-step procedures for sets of activities.
C	Analysis, and Operating Principles	Individual can analyze facts and principles and draw conclusions about the subject and when used with a performance code, can describe why and when each activity must be done and tell others how to accomplish activities.
D	Evaluation and Complete Theory	Individual can evaluate conditions and create new rules or concepts about the subject and when used with a performance code, can inspect, weigh, and design solutions related to the theory involved with activities.

Figure A2.4. AF Form IMT 4024, Aircrew Training Accomplishment Report.

AIRCREW TRAINING ACCOMPLISHMENT REPORT

NAME Last, Name MI				CREW POSITION MA/MH									COURSE/PHASE INIT QUAL/MSN			

DATE

SORTIE: GT-1 AT-2 OT-1 GT-4 … (Print appropriate phase of training (INIT QUAL/MSN, RQ, etc.)) — TOTAL NO. — REQ PROF LVL

TRAINING EVENT/ TASK LISTING columns: # ACCM / GRADE repeated for GT-1, AT-2, OT-1, GT-4, then GRADE columns, GRADE, REQ, # ACCM

1. PERSONAL REQUIREMENTS

	REQ PROF LVL
a. Aircrew Uniform	3B
b. No-go Items	3B
c. Scheduling Restrictions	3B
d. FCIF library	3B

Training Period Designator — Use sequential period (i.e. GT-1, AT-2)

Total Required — Total of repetitions required to meet RPL established by the unit

2. AIRCRAFT OPERATIONS

A. Safety Considerations

Number Accomplished — Reflects the number of times an event was accomplished during GT or FT

	GT-1		AT-2		OT-1		GT-4		REQ PROF LVL
a. Aircraft Security/Safety	1	S	1	S	1	S			3B
b. Refueling Operations	1	S	1	S	1	S			3B
c. Vehicle Movement	1	S	1	S	1	S			3B
d. CFR Requirements	1	P	1	U	1	S	1	P	3B

B. Aircraft Emergencies

Event Grades WILL BE "S", "P", or "U" for all events

"S" – Satisfactory: Crewmember has not achieved the required proficiency level but progress is satisfactory.

"P" – Proficient: Crewmember has achieved the required proficiency level.

"U" – Unsatisfactory: Crewmember was previously proficient but had regressed or progress is unsatisfactory. Once a crewmember has received "P" for and event ONLY subsequent grade allowed is either "P" or "U". Any event graded "U" must have an associated remark on AF Form 4023.

For equipment not in squadron inventory, N/A will be written in the block.

GRADE vs. RPL

DO NOT GIVE A GRADE OF "C" OR "3"

The Required Proficiency Level will be based upon the knowledge of performance standard (A, B, C, D or 1, 2, 3, 4) respectively. Grades given for each event taught to a specific level will be graded with and "S", "P", "U".

	REQ PROF LVL
a. Emergency Signals	3B
b. Rapid Decompression	3B
c. Emergency Crash Landing	3B
d. Ditching	3B
e. Fuselage Fire/Smoke-Fumes	3B
f. In-flight Door Warning Light	3B
a. Ground Exits (to include chopping areas	3B
C-130	3B
C-17	3B
KC-135	3B
C-21	3B
b. Ditching Exits	3B
C-130	3B
C-17 (to include FEDS)	3B
KC-135	3B
C-21	3B
a. Fire Extinguisher	3B

A2.5. Instructions for AF Form 4025, Aircrew Summary/Closeout Report:

A2.5.1. Anytime a training folder is initiated; a summary and close-out report will be completed by the squadron training officer, primary instructor or designated representative detailing the individual's strengths, weaknesses, overall performance, and other pertinent information. This report will be filed in the crewmember's AF Form 4022. AF Form 4025 will be completed in ink or typed.

A2.5.2. Sq/CC or Sq/DO, CN, or Superintendent will ensure the comments on this form do not reflect personal opinions or biases. All comments must be supported by information

contained in AF IMT Forms 4023 and 4024. At formal schools, the instructor will accomplish the AF Form 4025 and the Sq/CC's signature is optional.

A2.5.3. **NAME, RANK**. Print last name, first name, middle initial and rank (i.e. Doe, John E. SSgt).

A2.5.4. **CREW POSITION**. For aircrew members in an upgrade program, enter the aircrew position to which they are obtaining qualification/certification (i.e. MH, IA, EA, etc.).

A2.5.5. **TYPE TRAINING**. Enter formal course title. For other types of training, enter a descriptive identifier, IAW AFI 11-202, Volume 2 (i.e., INIT QUAL/MSN, INSTR).

A2.5.6. **TRAINING TIMES**

A2.5.6.1. GT Total. Enter total ground training from AF Form 4022 or 4023.

A2.5.6.2. Fly Total. Enter total flying time from AF Form 4022 or 4023.

A2.5.7. **DATE, STRENGTHS, WEAKNESSES and OVERALL PERFORMANCE**. Local overprints are authorized.

A2.5.8. **FLIGHT COMMANDER.** (Flight Commander, OIC or NCOIC Aircrew Training signs).

A2.5.9. **SQUADRON COMMANDER/OPERATIONS OFFICER.** (Sq/CC, DO, Chief Nurse or Superintendent signs).

A2.6. Training folders:

A2.6.1. Training folders will be maintained by the aircrew training office for one year. At the end of one year, AET AF Form 4022 contents (AF IMT Forms 4023, 4024 and 4025) will be placed in the CFETP/AFTR and FN AF Form 4022 contents will be placed in the CAF.

Figure A2.5. AF Form 4025, Aircrew Summary/Close-Out Report.

AIRCREW SUMMARY/CLOSE-OUT REPORT

NAME, RANK	CREW POSITION	TYPE TRAINING
Student, Smarto E. SSgt	(MH, IH, MA or IA))	INIT QUAL/MSN

GT TOTAL	FLY TOTAL	ATD TOT/	
48.7	108.6	N/A	

GT Total: Add up total Ground Training time and enter into block.

OVERALL PERFORMANCE, STRENGTHS, WEAKNESSES, ETC.

DATE:

STRENGTHS:

FLY Total: Add up total flight time and enter into block.

WEAKNESSES:

OVERALL PERFORMANCE:

For each formal training program a summary closeout report will be completed detailing the individual's strengths, weaknesses, overall performance, and other pertinent information. Start this section with the date. Form is initiated after flight evaluation.

OTHER PERTINENT INFORMATION:

The squadron training office or designated representative will complete the summary close-out report at the end of the training requirements.

Squadron CC, CN or Superintendent will ensure comments on this form will not reflect personal opinions or biases. All comments must be supported by information contained in the AF Form 4023.

Flight commander, OIC/NCOIC aircrew training signs.

Sq/CC, DO, CN or Superintendent signs (See A2.5.2 and A2.5.9)

FLIGHT COMMANDER	SQUADRON COMMANDER/OPERATIONS OFFICER
Justin D. Time Capt.	Newt R. Folks Maj.

Figure A2.6. I/FE Meeting Minute Example.

NOTE: The I/FE Meeting should address and document, at a minimum, the information indicated below.
MEMORANDUM FOR (SEE DISTRIBUTION)

FROM: (UNIT'S COMPLETE ADDRESS)

SUBJECT: I/FE MEETING MINUTES

1. Personnel Attending: (name and organization/office symbol)
2. Overview.
a. Manning. (Enter any training manning problems discussed or deviations from authorized manning to include Instructor/Student assignments). Record all current flight instructors including attached HHQ and/or attached squadron flight instructors.
b. Summary.
(1). Reports/Exams by crew position and type of Instruction, i.e. any upgrades to instructor or re-quals etc.
(2). Include results from evaluations, when applicable: No Names or Ranks, just position
(a) Q-1s
(b) Q-2s
(c) Q-3s
(3) Waivers and Extensions. Identify all training waivers and extensions granted to extend the period of training or waivers about the Vol 1 sent to MAJCOM
(4) Trends. Identify new, continuing and resolved trends. Where necessary, report corrective action as OPEN/CLOSED, the OPR(s) and any suspense date. The TRP slides can be added to this report.
(a). Required Training Program Inspections and Reviews (ASEV or SAV).
(b). Aircrew Flight Publications Program. Review open AF Forms 847 submitted and status.
(c). Training Program Reviews-6 vs.12 month training plan (way ahead)
3. Old Business. Enter the disposition of any items left open at the last I/FE meeting. If final action was taken on an item during the quarter, state the action taken and then close the item if closure is approved by the I/FE meeting chairman. If an item remains open, list the action taken since the last meeting. Findings from formal inspections will be addressed and covered until they are closed out.
4. New Business. Enter all new business discussed during the meeting. The new business items are those included on the published agenda along with any unplanned items discussed.
5. Other: This is an optional paragraph that can be used as necessary.
6. Training updates-new training or equipment updates.

(SIGNATURE BLOCK)
Attachments:
1. Meeting Agenda
2. Flight Instructor Roster Reviewed
3. TRP Slides attached
4. FTL/GTL levels